Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Client:	Cardno - Hawaii	Work Order:	WDA1107
Address:	737 Bishop St., Ste. 3050	Project:	ADC Water Quality Monitoring
	Honolulu, HI 96813	Reported:	3/20/2023 11:56
Attn:	Benjamin Berridge		

Analytical Results Report

Sample Location:	DW-2		
Lab/Sample Number:	WDA1107-01	Collect Date:	01/23/23 09:00
Date Received:	01/26/23 12:45	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	1.06	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:06	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:33	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 2:40	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 2:40	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 2:40	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 2:40	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*93.7%*		*50-150*	*2/1/23 2:40*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location:	DW-3		
Lab/Sample Number:	WDA1107-02	Collect Date:	01/23/23 09:20
Date Received:	01/26/23 12:45	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	2.08	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:10	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:35	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 4:29	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 4:29	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 4:29	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 4:29	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*98.2%*		*50-150*	*2/1/23 4:29*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location:	D-2		
Lab/Sample Number:	WDA1107-03	Collect Date:	01/23/23 09:30
Date Received:	01/26/23 12:45	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	0.320	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 14:35	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:38	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 5:24	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 5:24	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 5:24	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 5:24	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*93.6%*		*50-150*	*2/1/23 5:24*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: D-3
Lab/Sample Number: WDA1107-04 Collect Date: 01/23/23 09:15
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	0.840	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:13	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:40	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 6:19	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 6:19	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 6:19	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 6:19	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*96.3%*		*50-150*	*2/1/23 6:19*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: D-4
Lab/Sample Number: WDA1107-05 Collect Date: 01/23/23 09:00
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	0.720	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:29	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:43	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 11:48	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 11:48	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 11:48	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 11:48	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*96.3%*		*50-150*	*2/1/23 11:48*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location:	D-5		
Lab/Sample Number:	WDA1107-06	Collect Date:	01/23/23 09:10
Date Received:	01/26/23 12:45	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	0.140	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:32	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:45	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 12:43	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 12:43	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 12:43	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 12:43	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*96.0%*		*50-150*	*2/1/23 12:43*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: D-6
Lab/Sample Number: WDA1107-07 Collect Date: 01/23/23 09:55
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	1.86	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:16	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:48	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 13:39	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 13:39	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 13:39	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 13:39	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*95.3%*		*50-150*	*2/1/23 13:39*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: D-7
Lab/Sample Number: WDA1107-08 Collect Date: 01/23/23 10:10
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	<1	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 16:48	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:50	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 14:34	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 14:34	ARC	NWTPH-HCID	
Lube Oil	0.276	mg/L	0.0800	2/1/23 14:34	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 14:34	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*91.1%*		*50-150*	*2/1/23 14:34*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: D-8
Lab/Sample Number: WDA1107-09 Collect Date: 01/23/23 09:10
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	4.60	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:36	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:53	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 15:29	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 15:29	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 15:29	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 15:29	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*93.7%*		*50-150*	*2/1/23 15:29*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location:	DW-1/WW-1		
Lab/Sample Number:	WDA1107-10	Collect Date:	01/23/23 10:00
Date Received:	01/26/23 12:45	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	22.0	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:39	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 13:55	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 16:24	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 16:24	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 16:24	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 16:24	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*89.1%*		*50-150*	*2/1/23 16:24*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: WW-2
Lab/Sample Number: WDA1107-11 Collect Date: 01/23/23 09:20
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	1.05	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 18:02	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 14:02	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 17:19	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 17:19	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 17:19	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 17:19	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*90.2%*		*50-150*	*2/1/23 17:19*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location:	U-1/WW-7		
Lab/Sample Number:	WDA1107-12	Collect Date:	01/23/23 09:30
Date Received:	01/26/23 12:45	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	12.9	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 16:50	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 14:05	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 18:14	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 18:14	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 18:14	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 18:14	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*93.0%*		*50-150*	*2/1/23 18:14*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location:	U-2/WW-5		
Lab/Sample Number:	WDA1107-13	Collect Date:	01/23/23 10:20
Date Received:	01/26/23 12:45	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	2.60	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 16:52	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 14:07	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/1/23 19:09	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 19:09	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 19:09	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 19:09	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*94.4%*		*50-150*	*2/1/23 19:09*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: WW-3
Lab/Sample Number: WDA1107-14 Collect Date: 01/23/23 09:35
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	3.88	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 16:55	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 14:10	JLG	EPA 245.1	
Semivolatiles							
AMPA	<5.00	ug/L	10.0	2/2/23 17:48	MER	EPA 547	*
Glyphosate	<2.50	ug/L	5.00	2/2/23 17:48	MER	EPA 547	*
Atrazine	<0.05	ug/L	0.100	2/13/23 23:12	MAH	EPA 625.1	*
Chlorpyrifos	<0.05	ug/L	0.100	2/13/23 23:12	MAH	EPA 625.1	*
Metolachlor	<0.05	ug/L	0.100	2/13/23 23:12	MAH	EPA 625.1	*
Surrogate: Terphenyl-d14	*87.8%*		*25-135*	*2/13/23 23:12*	*MAH*	*EPA 625.1*	
Diesel	<0.0520	mg/L	0.0800	2/1/23 20:03	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/1/23 20:03	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/1/23 20:03	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/1/23 20:03	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*96.7%*		*50-150*	*2/1/23 20:03*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: E-2
Lab/Sample Number: WDA1107-15 Collect Date: 01/23/23 09:45
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	0.300	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 18:05	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 14:22	JLG	EPA 245.1	
Semivolatiles							
AMPA	<5.00	ug/L	10.0	2/2/23 21:59	MER	EPA 547	*
Glyphosate	<2.50	ug/L	5.00	2/2/23 21:59	MER	EPA 547	*
Atrazine	<0.05	ug/L	0.100	2/13/23 23:40	MAH	EPA 625.1	*
Chlorpyrifos	<0.05	ug/L	0.100	2/13/23 23:40	MAH	EPA 625.1	*
Metolachlor	<0.05	ug/L	0.100	2/13/23 23:40	MAH	EPA 625.1	*
Surrogate: Terphenyl-d14	*82.6%*		*25-135*	*2/13/23 23:40*	*MAH*	*EPA 625.1*	
Diesel	<0.052	mg/L	0.0800	2/2/23 1:32	ARC	NWTPH-HCID	
Gasoline	<0.16	mg/L	0.400	2/2/23 1:32	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/2/23 1:32	ARC	NWTPH-HCID	
Mineral Oil	<0.16	mg/L	0.400	2/2/23 1:32	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*88.7%*		*50-150*	*2/2/23 1:32*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: E-1
Lab/Sample Number: WDA1107-16 Collect Date: 01/23/23 10:45
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	2.51	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:42	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 14:24	JLG	EPA 245.1	
Semivolatiles							
AMPA	<5.00	ug/L	10.0	2/2/23 20:44	MER	EPA 547	*
Glyphosate	<2.50	ug/L	5.00	2/2/23 20:44	MER	EPA 547	*
Atrazine	<0.05	ug/L	0.100	2/22/23 17:42	MAH	EPA 625.1	*
Chlorpyrifos	<0.05	ug/L	0.100	2/22/23 17:42	MAH	EPA 625.1	*
Metolachlor	<0.05	ug/L	0.100	2/22/23 17:42	MAH	EPA 625.1	*
Surrogate: Terphenyl-d14	*97.1%*		*25-135*	*2/22/23 17:42*	*MAH*	*EPA 625.1*	
Diesel	<0.0520	mg/L	0.0800	1/31/23 23:55	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	1/31/23 23:55	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	1/31/23 23:55	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	1/31/23 23:55	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*97.5%*		*50-150*	*1/31/23 23:55*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: E-1 DUP
Lab/Sample Number: WDA1107-17 Collect Date: 01/23/23 10:50
Date Received: 01/26/23 12:45 Collected By:
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	6.20	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:02	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 14:51	JLG	EPA 245.1	
Semivolatiles							
AMPA	<5.00	ug/L	10.0	2/2/23 22:06	MER	EPA 547	*
Glyphosate	<2.50	ug/L	5.00	2/2/23 22:06	MER	EPA 547	*
Atrazine	<0.05	ug/L	0.100	2/14/23 0:07	MAH	EPA 625.1	*
Chlorpyrifos	<0.05	ug/L	0.100	2/14/23 0:07	MAH	EPA 625.1	*
Metolachlor	<0.05	ug/L	0.100	2/14/23 0:07	MAH	EPA 625.1	*
Surrogate: Terphenyl-d14	*92.2%*		*25-135*	*2/14/23 0:07*	*MAH*	*EPA 625.1*	
Diesel	<0.0520	mg/L	0.0800	2/2/23 2:27	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/2/23 2:27	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/2/23 2:27	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/2/23 2:27	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*96.8%*		*50-150*	*2/2/23 2:27*	*ARC*	*NWTPH-HCID*	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location:	WW-6		
Lab/Sample Number:	WDA1107-18	Collect Date:	01/23/23 09:00
Date Received:	01/26/23 12:45	Collected By:	
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
TSS	40.3	mg/L		1/29/23 13:30	ARS	EPA 160.2	
Metals by ICP-MS							
Arsenic	<0.000540	mg/L	0.00100	2/3/23 17:04	JLG	EPA 200.8	
Mercury							
Mercury	<0.0640	ug/L	0.100	2/3/23 14:54	JLG	EPA 245.1	
Semivolatiles							
Diesel	<0.0520	mg/L	0.0800	2/2/23 3:21	ARC	NWTPH-HCID	
Gasoline	<0.160	mg/L	0.400	2/2/23 3:21	ARC	NWTPH-HCID	
Lube Oil	<0.0460	mg/L	0.0800	2/2/23 3:21	ARC	NWTPH-HCID	
Mineral Oil	<0.160	mg/L	0.400	2/2/23 3:21	ARC	NWTPH-HCID	
Surrogate: n-Hexacosane	*93.5%*		*50-150*	*2/2/23 3:21*	*ARC*	*NWTPH-HCID*	

Authorized Signature,

Brock Gerger For Kathleen Sattler, Laboratory Manager

L4	The associated blank spike recovery was below method acceptance limits. This analyte was not detected in the sample.
PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was spiked or duplicated.

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Certifications

Code	Description	Facility	Number
W WA DOE	Washington Department of Ecology	Anatek-Spokane, WA	C585
W FLDOH	Florida Department of Health (NELAC)	Anatek-Spokane, WA	E871099

Quality Control Data

Inorganics

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDA0867 - W Filtration										
Blank (BDA0867-BLK1)					Prepared: 1/28/2023 Analyzed: 1/29/2023					
TSS	0.00			mg/L						
Blank (BDA0867-BLK2)					Prepared: 1/28/2023 Analyzed: 1/29/2023					
TSS	0.00			mg/L						
Blank (BDA0867-BLK3)					Prepared: 1/28/2023 Analyzed: 1/29/2023					
TSS	0.00			mg/L						
LCS (BDA0867-BS1)					Prepared: 1/28/2023 Analyzed: 1/29/2023					
TSS	106			mg/L	100		106	90-110		
LCS (BDA0867-BS2)					Prepared: 1/28/2023 Analyzed: 1/29/2023					
TSS	104			mg/L	100		104	90-110		

Quality Control Data

Metals by ICP-MS

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB0012 - W 3010 Digest										
Blank (BDB0012-BLK1)					Prepared: 2/1/2023 Analyzed: 2/3/2023					
Arsenic	ND		0.00100	mg/L						
LCS (BDB0012-BS1)					Prepared: 2/1/2023 Analyzed: 2/3/2023					
Arsenic	0.0502		0.00100	mg/L	0.0500		100	85-115		
Matrix Spike (BDB0012-MS1)		**Source: WDA1107-14**			Prepared: 2/1/2023 Analyzed: 2/3/2023					
Arsenic	0.0481		0.00100	mg/L	0.0500	<0.000540	96.3	70-130		
Matrix Spike (BDB0012-MS2)		**Source: WDA1107-16**			Prepared: 2/1/2023 Analyzed: 2/3/2023					
Arsenic	0.0390		0.00100	mg/L	0.0500	<0.000540	75.7	70-130		
Matrix Spike Dup (BDB0012-MSD1)		**Source: WDA1107-14**			Prepared: 2/1/2023 Analyzed: 2/3/2023					
Arsenic	0.0418		0.00100	mg/L	0.0500	<0.000540	83.6	70-130	14.1	20
Matrix Spike Dup (BDB0012-MSD2)		**Source: WDA1107-16**			Prepared: 2/1/2023 Analyzed: 2/3/2023					
Arsenic	0.0421		0.00100	mg/L	0.0500	<0.000540	81.8	70-130	7.53	20

Quality Control Data

Mercury

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB0061 - W 245.1 Digest										
Blank (BDB0061-BLK1)					Prepared: 2/2/2023 Analyzed: 2/3/2023					
Mercury	ND		0.100	ug/L						
LCS (BDB0061-BS1)					Prepared: 2/2/2023 Analyzed: 2/3/2023					
Mercury	1.88		0.100	ug/L	2.00		93.8	85-115		

Quality Control Data
(Continued)

Mercury (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB0061 - W 245.1 Digest (Continued)										
Matrix Spike (BDB0061-MS1)		**Source: WDA1107-14**			Prepared: 2/2/2023 Analyzed: 2/3/2023					
Mercury	7.42		0.500	ug/L	10.0	<0.0640	74.2	70-130		
Matrix Spike (BDB0061-MS2)		**Source: WDA1107-16**			Prepared: 2/2/2023 Analyzed: 2/3/2023					
Mercury	1.61		0.100	ug/L	2.00	<0.0640	80.6	70-130		
Matrix Spike Dup (BDB0061-MSD1)		**Source: WDA1107-14**			Prepared: 2/2/2023 Analyzed: 2/3/2023					
Mercury	7.74		0.500	ug/L	10.0	<0.0640	77.4	70-130	4.22	20
Matrix Spike Dup (BDB0061-MSD2)		**Source: WDA1107-16**			Prepared: 2/2/2023 Analyzed: 2/3/2023					
Mercury	1.54		0.100	ug/L	2.00	<0.0640	76.8	70-130	4.83	20

Quality Control Data
(Continued)

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDA0855 - W TPH-Dx										
Blank (BDA0855-BLK1)					Prepared & Analyzed: 1/31/2023					
Lube Oil	ND		0.0800	mg/L						
Mineral Oil	ND		0.400	mg/L						
Gasoline	ND		0.400	mg/L						
Diesel	ND		0.0800	mg/L						
Surrogate: n-Hexacosane			*40.1*	*mg/L*	*50.0*		*80.2*	*50-150*		
LCS (BDA0855-BS1)					Prepared & Analyzed: 1/31/2023					
Diesel	0.927		0.0800	mg/L	1.00		92.7	70-130		
Surrogate: n-Hexacosane			*42.6*	*mg/L*	*50.0*		*85.2*	*50-150*		
Duplicate (BDA0855-DUP1)		**Source: WDA1107-14**			Prepared: 1/31/2023 Analyzed: 2/1/2023					
Lube Oil	ND		0.0800	mg/L		<0.0460				200
Mineral Oil	ND		0.400	mg/L		<0.160				200
Gasoline	ND		0.400	mg/L		<0.160				200
Diesel	ND		0.0800	mg/L		<0.0520				200
Surrogate: n-Hexacosane			*49.1*	*mg/L*	*50.0*		*98.2*	*50-150*		
Matrix Spike (BDA0855-MS1)		**Source: WDA1107-16**			Prepared: 1/31/2023 Analyzed: 2/1/2023					
Diesel	0.807		0.0800	mg/L	1.00	<0.0520	80.7	70-130		
Surrogate: n-Hexacosane			*36.8*	*mg/L*	*50.0*		*73.5*	*50-150*		
Matrix Spike Dup (BDA0855-MSD1)		**Source: WDA1107-16**			Prepared: 1/31/2023 Analyzed: 2/1/2023					
Diesel	0.892		0.0800	mg/L	1.00	<0.0520	89.2	70-130	10.1	20
Surrogate: n-Hexacosane			*44.1*	*mg/L*	*50.0*		*88.2*	*50-150*		
Batch: BDB0006 - Glyphosate										
Blank (BDB0006-BLK1)					Prepared: 2/1/2023 Analyzed: 2/2/2023					
Glyphosate	ND		5.00	ug/L						
AMPA	ND		10.0	ug/L						

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Quality Control Data
(Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB0006 - Glyphosate (Continued)										
Blank (BDB0006-BLK2)					Prepared: 2/1/2023 Analyzed: 2/2/2023					
Glyphosate	ND		5.00	ug/L						
AMPA	ND		10.0	ug/L						
LCS (BDB0006-BS1)					Prepared: 2/1/2023 Analyzed: 2/2/2023					
Glyphosate	41.1		5.00	ug/L	50.0		82.2	70-130		
AMPA	71.3		10.0	ug/L	100		71.3	70-130		
LCS (BDB0006-BS2)					Prepared: 2/1/2023 Analyzed: 2/2/2023					
Glyphosate	40.0		5.00	ug/L	50.0		80.0	70-130		
AMPA	53.0	L4	10.0	ug/L	100		53.0	70-130		
Matrix Spike (BDB0006-MS1)		**Source: WDA1107-14**			Prepared: 2/1/2023 Analyzed: 2/2/2023					
Glyphosate	41.7		5.00	ug/L	50.0	<2.50	83.4	70-130		
AMPA	98.4		10.0	ug/L	100	<5.00	98.4	70-130		
Matrix Spike (BDB0006-MS2)		**Source: WDA1107-16**			Prepared: 2/1/2023 Analyzed: 2/2/2023					
Glyphosate	41.8		5.00	ug/L	50.0	<2.50	83.6	70-130		
AMPA	115		10.0	ug/L	100	<5.00	115	70-130		
Matrix Spike Dup (BDB0006-MSD1)		**Source: WDA1107-14**			Prepared: 2/1/2023 Analyzed: 2/2/2023					
Glyphosate	37.9		5.00	ug/L	50.0	<2.50	75.8	70-130	9.55	25
AMPA	94.4		10.0	ug/L	100	<5.00	94.4	70-130	4.15	25
Matrix Spike Dup (BDB0006-MSD2)		**Source: WDA1107-16**			Prepared: 2/1/2023 Analyzed: 2/2/2023					
Glyphosate	50.4		5.00	ug/L	50.0	<2.50	101	70-130	18.7	25
AMPA	110		10.0	ug/L	100	<5.00	110	70-130	4.44	25

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Quality Control Data
(Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDB0425 - SVOC Water										
Blank (BDB0425-BLK1)					Prepared: 1/30/2023 Analyzed: 2/13/2023					
Atrazine	ND		0.100	ug/L						
Chlorpyrifos	ND		0.100	ug/L						
Metolachlor	ND		0.100	ug/L						
Surrogate: Terphenyl-d14			*22.5*	*ug/L*	*25.0*		*89.9*	*25-135*		
LCS (BDB0425-BS1)					Prepared: 1/30/2023 Analyzed: 2/13/2023					
Atrazine	4.84		0.100	ug/L	5.00		96.8	60-125		
Chlorpyrifos	4.69		0.100	ug/L	5.00		93.8	50-125		
Metolachlor	5.00		0.100	ug/L	5.00		100	60-125		
Surrogate: Terphenyl-d14			*20.5*	*ug/L*	*25.0*		*82.1*	*25-135*		
LCS Dup (BDB0425-BSD1)					Prepared: 1/30/2023 Analyzed: 2/13/2023					
Atrazine	5.59		0.100	ug/L	5.00		112	60-125	14.4	25
Chlorpyrifos	4.76		0.100	ug/L	5.00		95.2	50-125	1.48	25
Metolachlor	5.13		0.100	ug/L	5.00		103	60-125	2.57	25
Surrogate: Terphenyl-d14			*22.2*	*ug/L*	*25.0*		*88.8*	*25-135*		

Anatek Labs, Inc.

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246
504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

[redacted]

Anatek Log-In #

WDA1107

Due: 02/09/23

Company Name: **Cardno-GS**	Project Manager: **Benjamin Berridge**
Address: **737 Bishop St Suite 3050**	Project Name & # : **ADC Water Quality Monitoring**
City: **Honolulu** State: **HI** Zip: **96813**	Email Address : **benjamin.berridge@cardno-gs.com**
Phone: **(808) 476-0067**	Purchase Order #:
Fax:	Sampler Name & phone:

[redacted]

Please refer to our normal turn around times at:
http://www.anateklabs.com/services/guidelines/reporting.asp

✓ Normal
__ Next Day*
__ 2nd Day*
__ Other*_____

*All rush order requests must be prior approved.

__ Phone
__ Mail
__ Fax
× Email

Provide Sample Description / List Analyses Requested

Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Preservative: Sample Volume	TSS EPA 160.2	TPH HCID - SW 846 MOD 8015	**TPH GRO SW846M8015	Arsenic EPA 200.8	Mercury EPA 245.1	Cooler #
	DW-2	01-23-2023/ 9:00 HST	Water	5		X	X	X	X	X	5
	DW-3	01-23-2023/ 9:20 HST	Water	5		X	X	X	X	X	2
	D-2	01-23-2023/ 9:30 HST	Water	5		X	X	X	X	X	5
	D-3	01-23-2023/ 9:15 HST	Water	5		X	X	X	X	X	5
	D-4	01-23-2023/ 9:00 HST	Water	5		X	X	X	X	X	4
	D-5	01-23-2023/ 9:10 HST	Water	5		X	X	X	X	X	4
	D-6	01-23-2023/ 9:55 HST	Water	5		X	X	X	X	X	4
	D-7	01-23-2023/ 10:10 HST	Water	5		X	X	X	X	X	2
	D-8	01-23-2023/ 9:10 HST	Water	5		X	X	X	X	X	3
	DW-1/WW-1	01-23-2023/ 10:00 HST	Water	5		X	X	X	X	X	3
	WW-2	01-23-2023/ 9:20 HST	Water	5		X	X	X	X	X	4
	U-1/WW-7	01-23-2023/ 9:30 HST	Water	5		X	X	X	X	X	3
	U-2/WW-5	01-23-2023/ 10:20 HST	Water	5		X	X	X	X	X	3

Note Special Instructions/Comments

**Please do not conduct TPH GRO analysis until Cardno confirms it should be run.

	Printed Name	Signature	Company	Date	Time
Relinquished by	Ben Berridge	[signature]	Cardno	01/24/23	14:00
Received by	Kathy Sattler	Kathy Sattler	Anatek Labs	1-26-23	1245
Relinquished by					
Received by					
Relinquished by					
Received by					

Inspection Checklist

Received Intact?	Y	N
Labels & Chains Agree?	Y	N
Containers Sealed?	Y	N
VOC Head Space?	Y	N

See attached

Temperature (°C):_____
Preservative:_____
Date & Time:_____
Inspected By:_____

Form COC01.00 - Eff 1 Mar 2015

Samples submitted to Anatek Labs may be subcontracted to other accredited labs if necessary. This message serves as notice of this possibility. Sub-contracted analyses will be clearly noted on the analytical report.

Anatek Labs, Inc.

Sample Receipt and Preservation Form

Client Name: Cardno Project: ADC Water Quality (apply Anatek sample label here)

TAT: (Normal) RUSH: _____ days

Samples Received From: (FedEx) UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: Yes (No) Custody Seals Intact: Yes No (N/A)

Number of Coolers/Boxes: 5 coolers Type of Ice: (Ice/Ice Packs) (Blue Ice) Dry Ice None

Packing Material: (Bubble Wrap) (Bags) Foam/Peanuts None Other: _____

Cooler Temp As Read (°C): _____ Cooler Temp Corrected (°C): _____ Thermometer Used: IR#2

Cooler 1: 1.8°C Cooler 2: 0.8°C Cooler 3: 0.2°C Cooler 4: 1.0°C Cooler 5: 0.2°C °C

				Comments:
Samples Received Intact?	(Yes)	No	N/A	
Chain of Custody Present?	(Yes)	No	N/A	
Samples Received Within Hold Time?	(Yes)	No	N/A	
Samples Properly Preserved?	(Yes)	No	N/A	
VOC Vials Free of Headspace (<6mm)?	Yes	(No)	N/A	
VOC Trip Blanks Present?	Yes	(No)	N/A	
Labels and Chains Agree?	(Yes)	No	N/A	
Total Number of Sample Bottles Received: 103				

Chain of Custody Fully Completed?	(Yes)	No	N/A	
Correct Containers Received?	(Yes)	No	N/A	
Anatek Bottles Used?	(Yes)	No	Unknown	

Record preservatives (and lot numbers, if known) for containers below:

1 liter Glass HCl 2102437
1 liter Glass unpreserved
1 liter Poly unpreserved
250 mL Poly unpreserved
44 mL Glass NaThio 2200911
44mL Glass HCl 2103533

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

Received/Inspected By: Kathleen A. Sattler Date/Time: 1-26-23 1600

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10007.D Vial: 6
Acq On : 31 Jan 2023 10:05 pm Operator: ARC
Sample : BDA0855-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:32 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	24.81	96410735	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.52	76890723	40.118	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	80.24%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

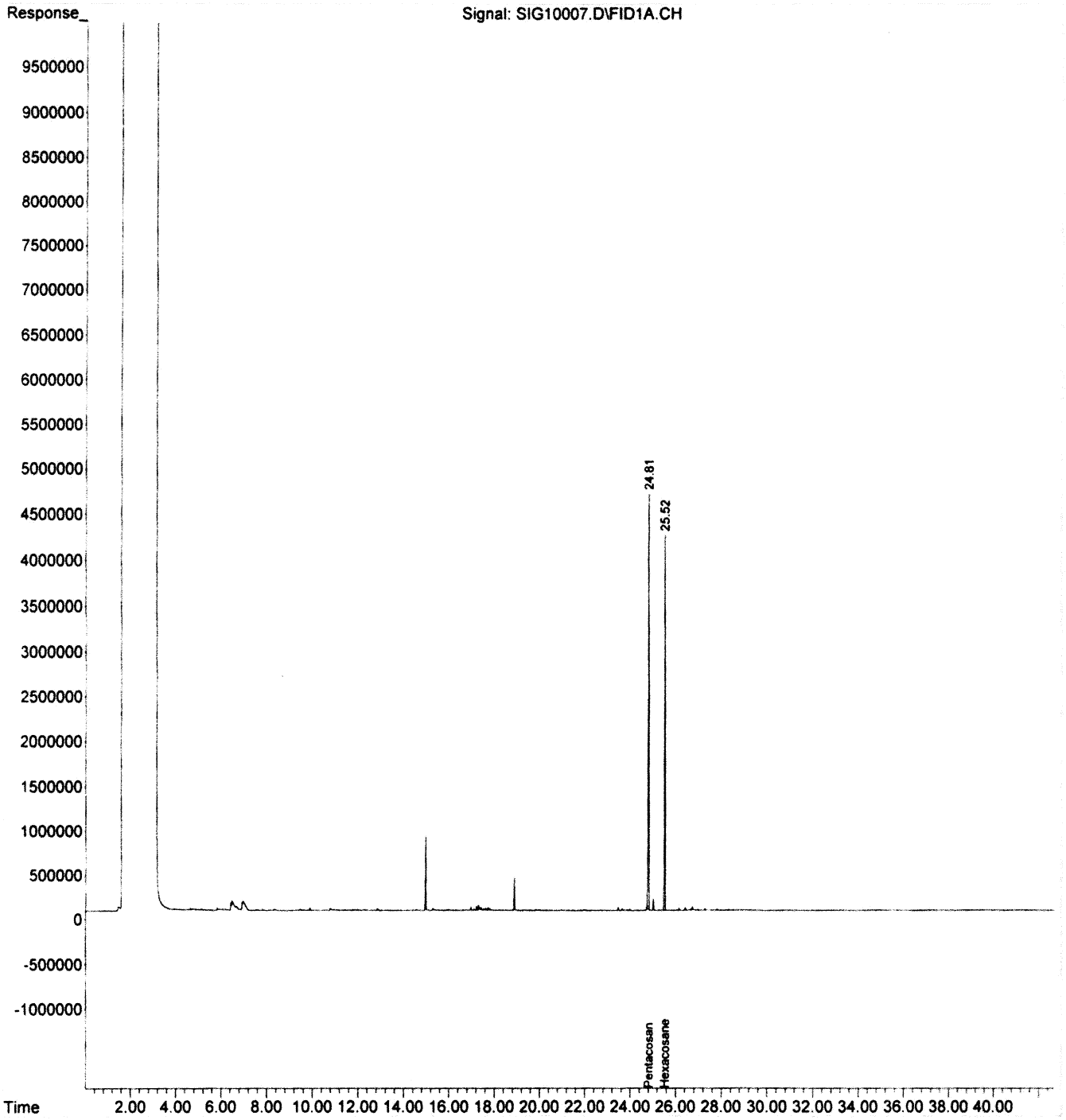
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10007.D Vial: 6
Acq On : 31 Jan 2023 10:05 pm Operator: ARC
Sample : BDA0855-BLK1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 8:07 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10008.D Vial: 7
Acq On : 31 Jan 2023 11:00 pm Operator: ARC
Sample : BDA0855-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:33 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	95289317	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	80692690	42.597	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	85.19%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	26.20f	297290716	231.837	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

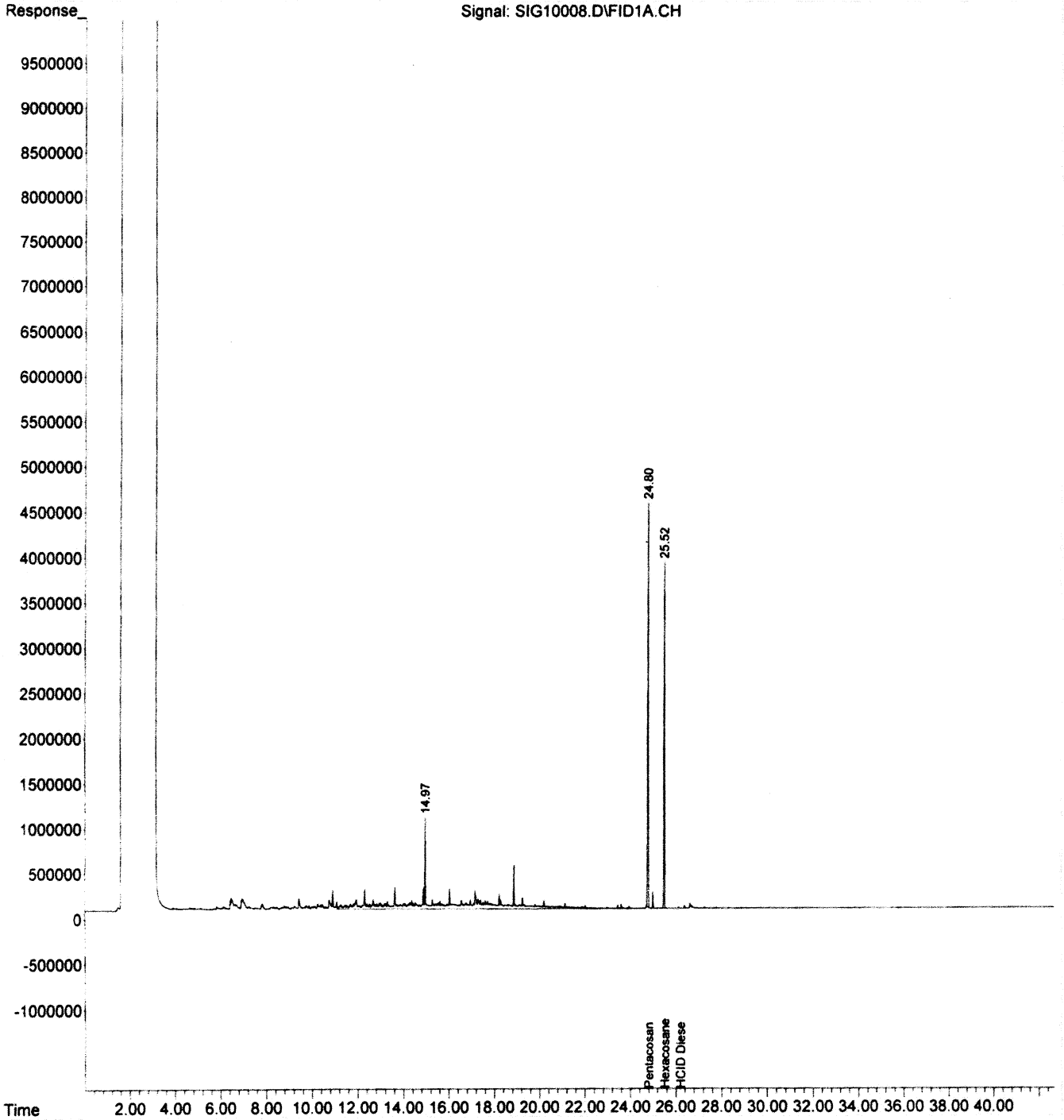
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10008.D Vial: 7
Acq On : 31 Jan 2023 11:00 pm Operator: ARC
Sample : BDA0855-BS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 8:07 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10009.D Vial: 8
Acq On : 31 Jan 2023 11:55 pm Operator: ARC
Sample : WDA1107-16 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:35 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

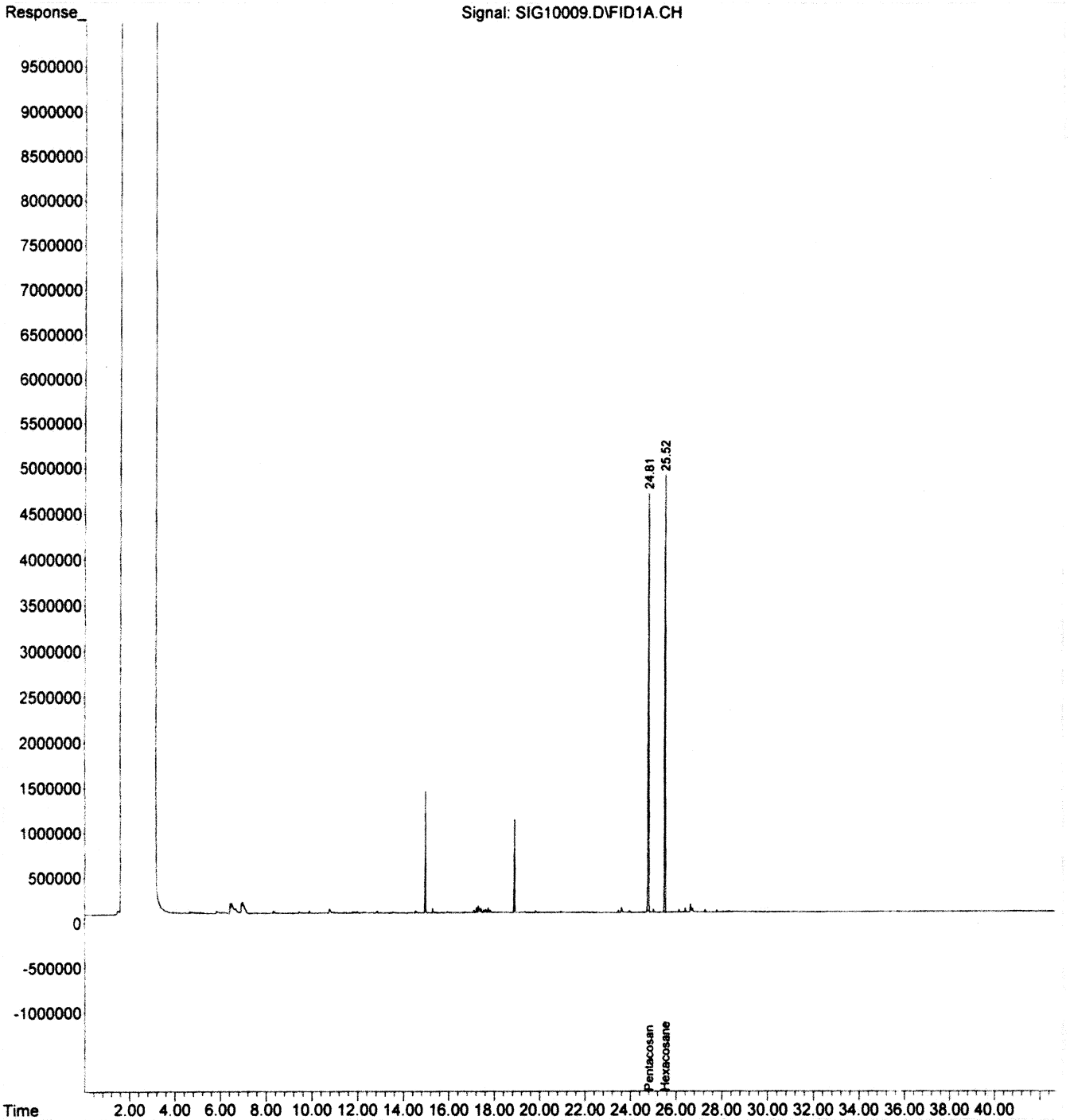
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.81	96103850	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	93180096	48.772	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	97.54%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10009.D Vial: 8
Acq On : 31 Jan 2023 11:55 pm Operator: ARC
Sample : WDA1107-16 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 8:08 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10010.D Vial: 9
Acq On : 01 Feb 2023 12:50 am Operator: ARC
Sample : BDA0855-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:37 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	89227515	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.51	65202162	36.758	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	73.52%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	21.97	242131096	201.650	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

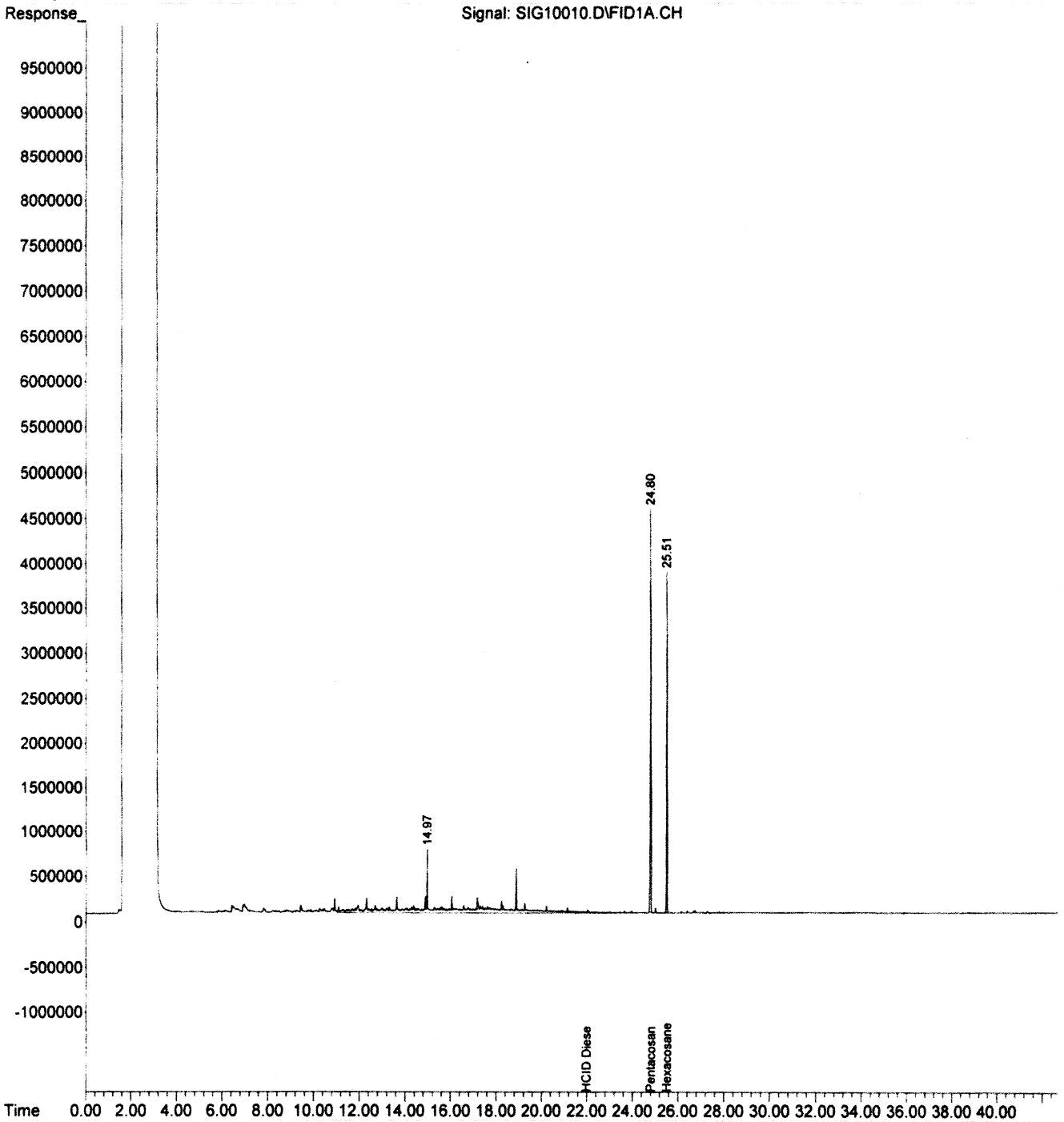
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10010.D Vial: 9
Acq On : 01 Feb 2023 12:50 am Operator: ARC
Sample : BDA0855-MS1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 8:55 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10011.D Vial: 10
Acq On : 01 Feb 2023 1:45 am Operator: ARC
Sample : BDA0855-MSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:38 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	86391419	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	75723720	44.091	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	88.18%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	21.97	259243072	222.989	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

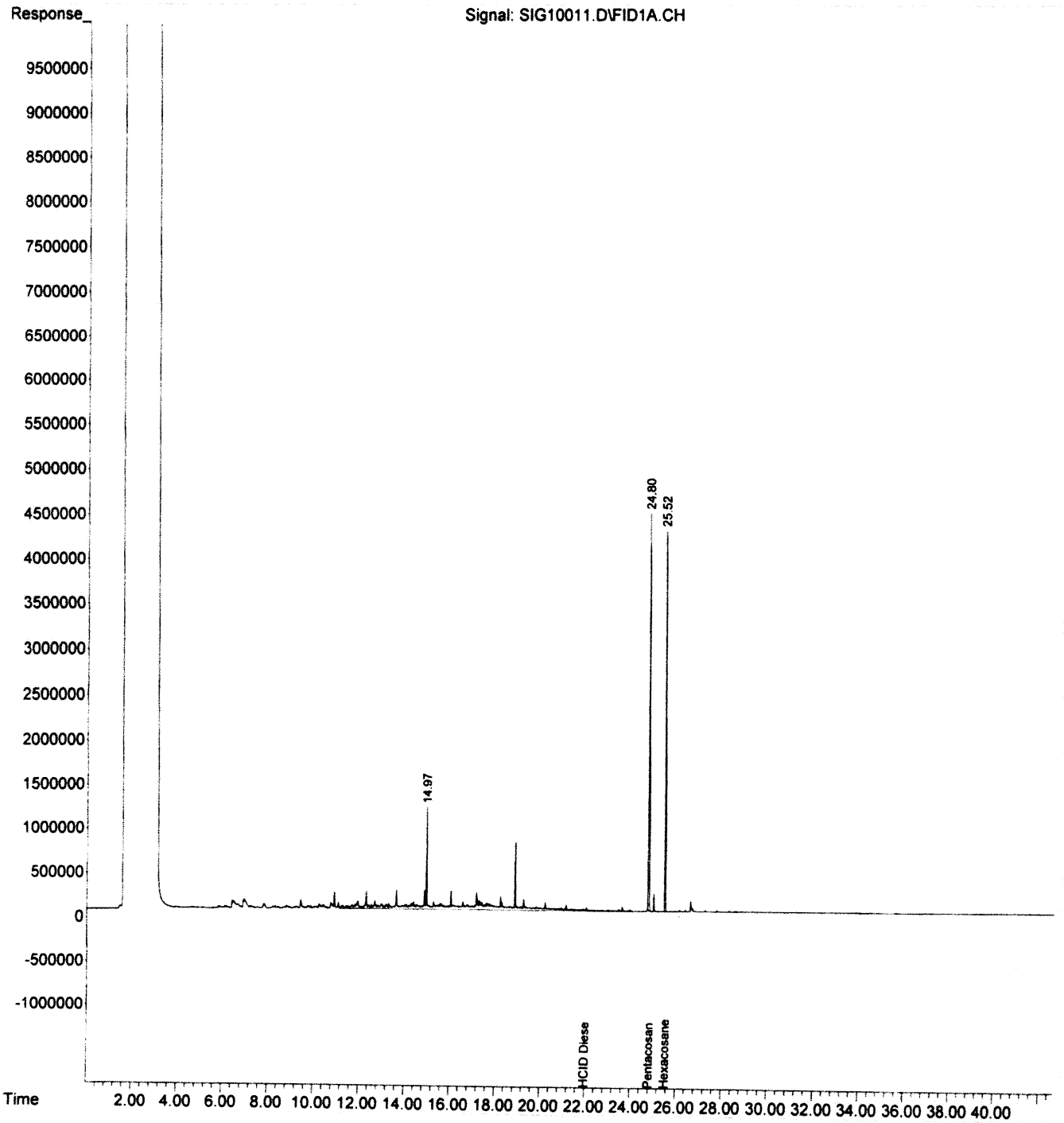
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10011.D Vial: 10
Acq On : 01 Feb 2023 1:45 am Operator: ARC
Sample : BDA0855-MSD1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 8:09 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



SIG10011.D 221128LOWDHT.M Thu Feb 02 08:41:44 2023 Page 2

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10012.D Vial: 11
Acq On : 01 Feb 2023 2:40 am Operator: ARC
Sample : WDA1107-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:39 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	24.80	90498629	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.52	84319456	46.868	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	93.74%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

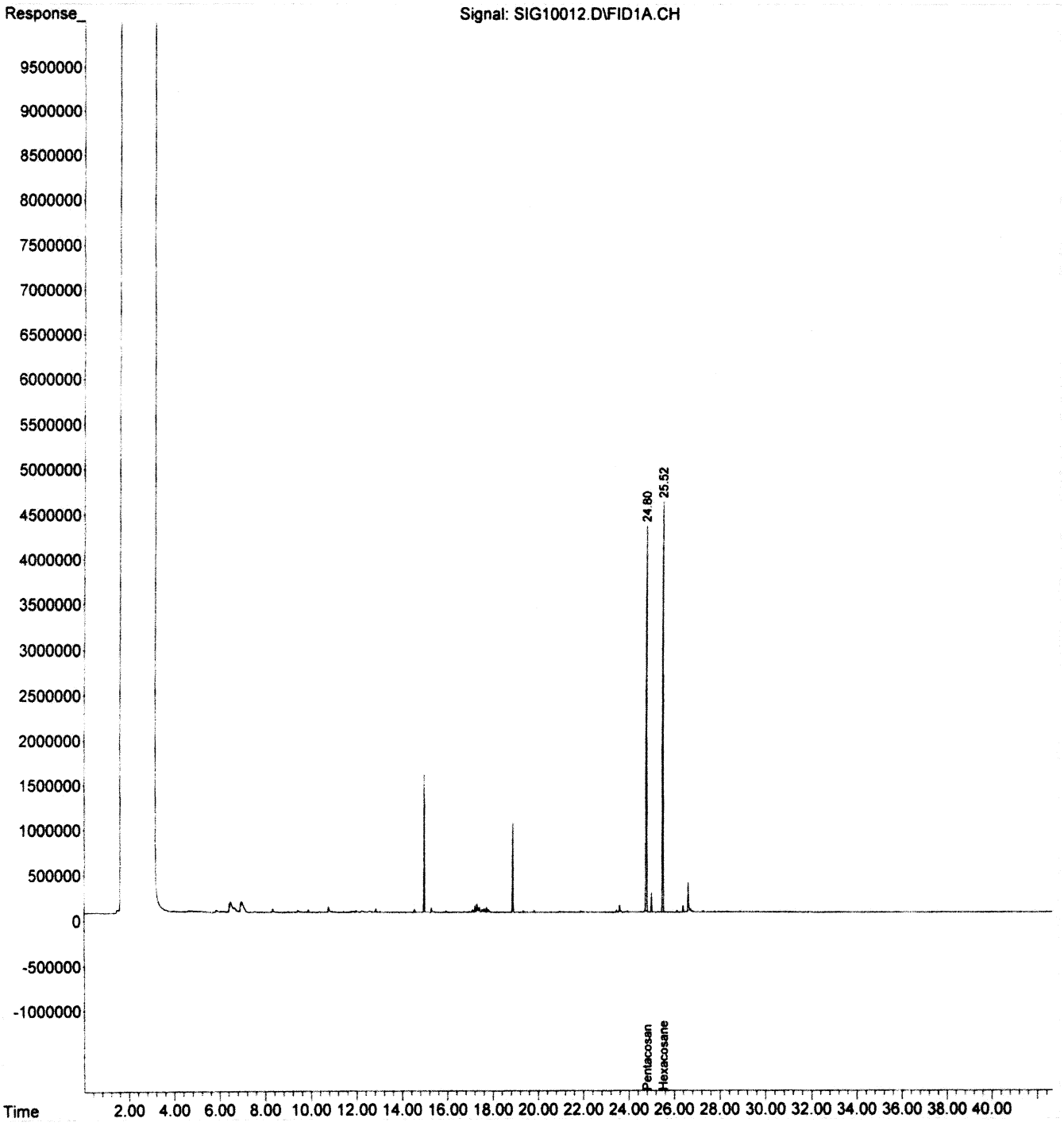
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10012.D Vial: 11
Acq On : 01 Feb 2023 2:40 am Operator: ARC
Sample : WDA1107-01 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 8:09 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10013.D Vial: 12
Acq On : 01 Feb 2023 3:34 am Operator: ARC
Sample : BDA0855-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:40 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	24.80	79193578	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.52	77279890	49.087	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	98.17%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

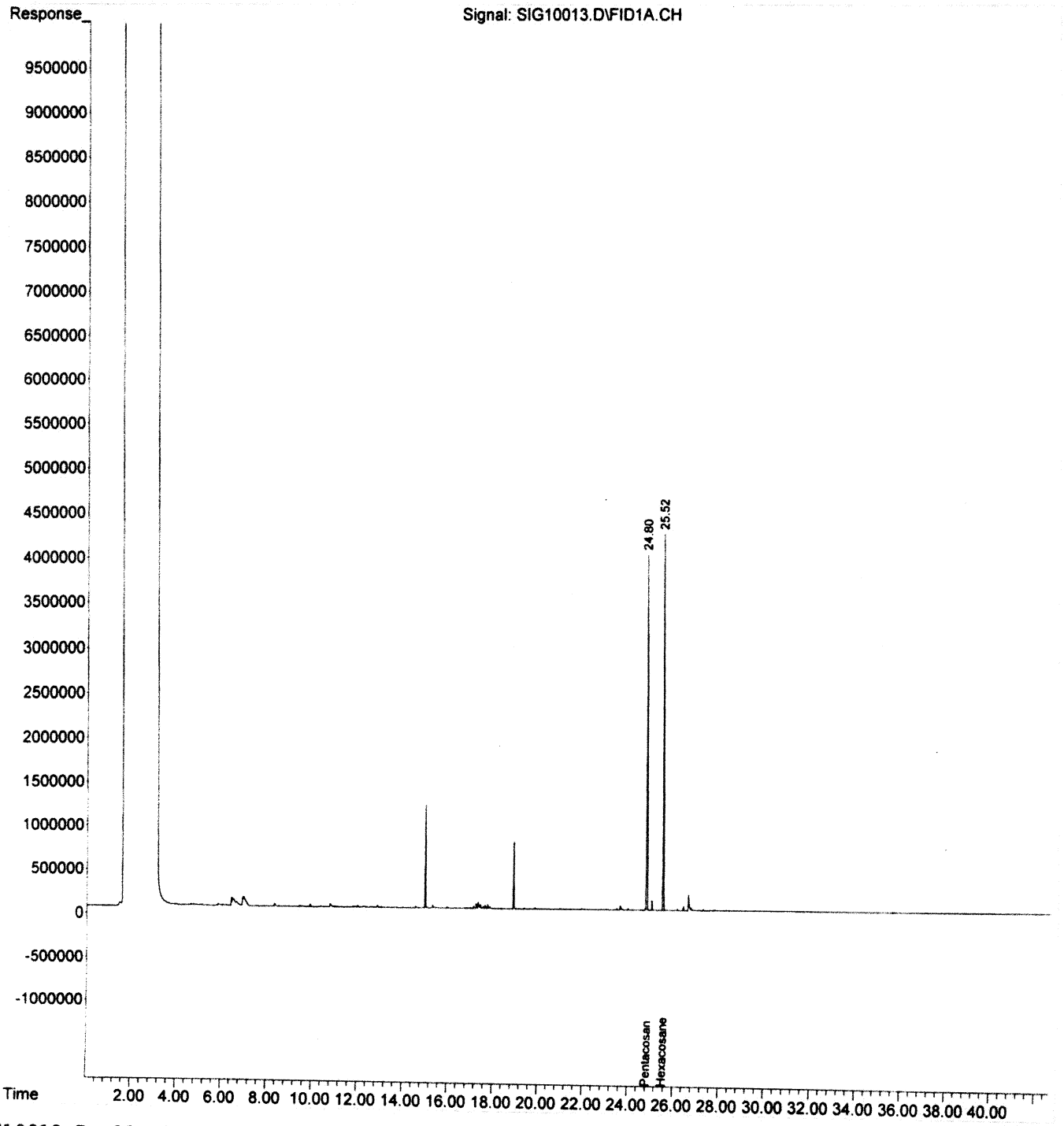
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10013.D Vial: 12
Acq On : 01 Feb 2023 3:34 am Operator: ARC
Sample : BDA0855-DUP1 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 8:09 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10014.D Vial: 13
Acq On : 01 Feb 2023 4:29 am Operator: ARC
Sample : WDA1107-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:42 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	80163065	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.51	78266775	49.112	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	98.22%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

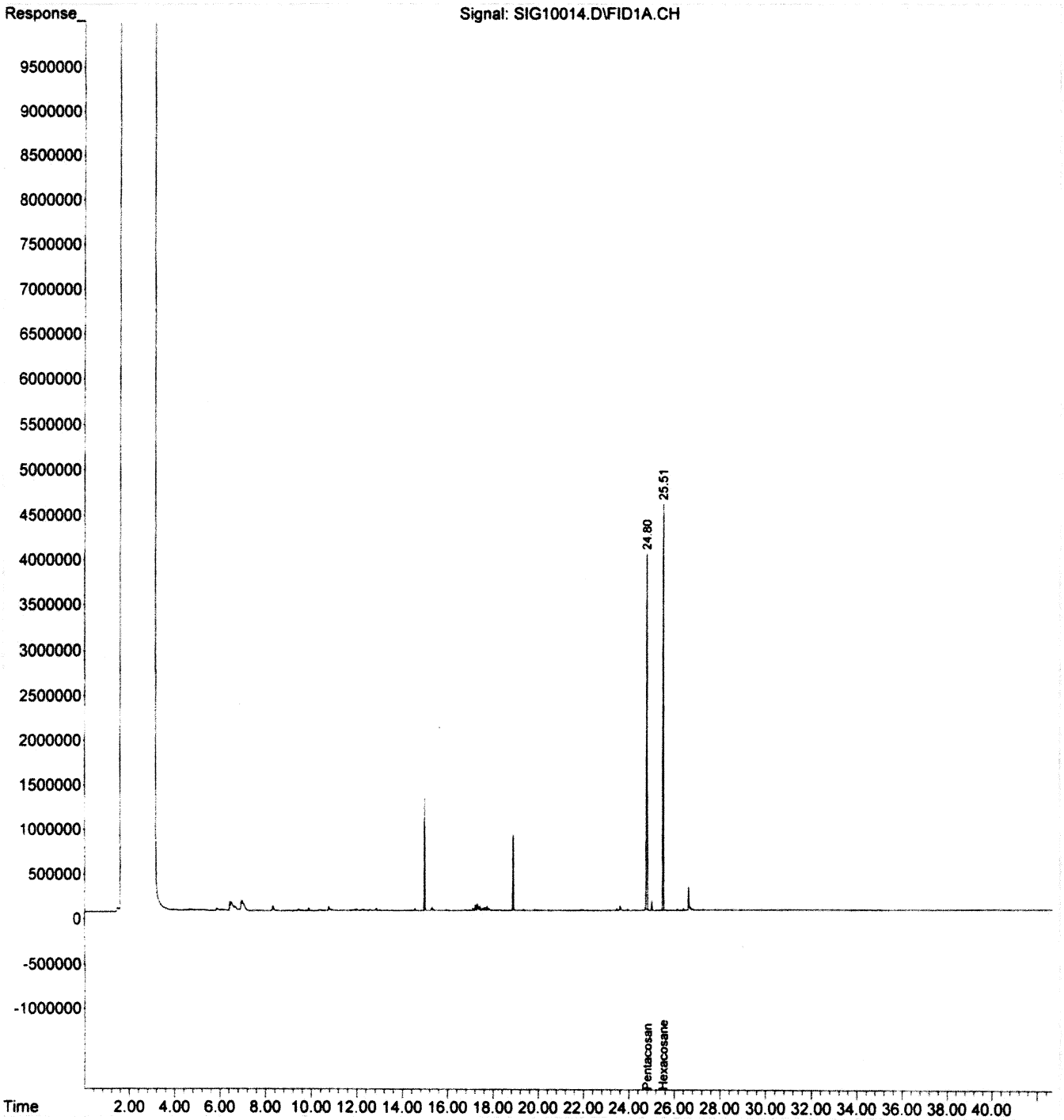
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10014.D Vial: 13
Acq On : 01 Feb 2023 4:29 am Operator: ARC
Sample : WDA1107-02 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:53 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



SIG10014.D 221128LOWDHT.M Thu Feb 02 08:52:14 2023 Page 2

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10015.D Vial: 14
Acq On : 01 Feb 2023 5:24 am Operator: ARC
Sample : WDA1107-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:43 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	72946450	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	67853079	46.790	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	93.58%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

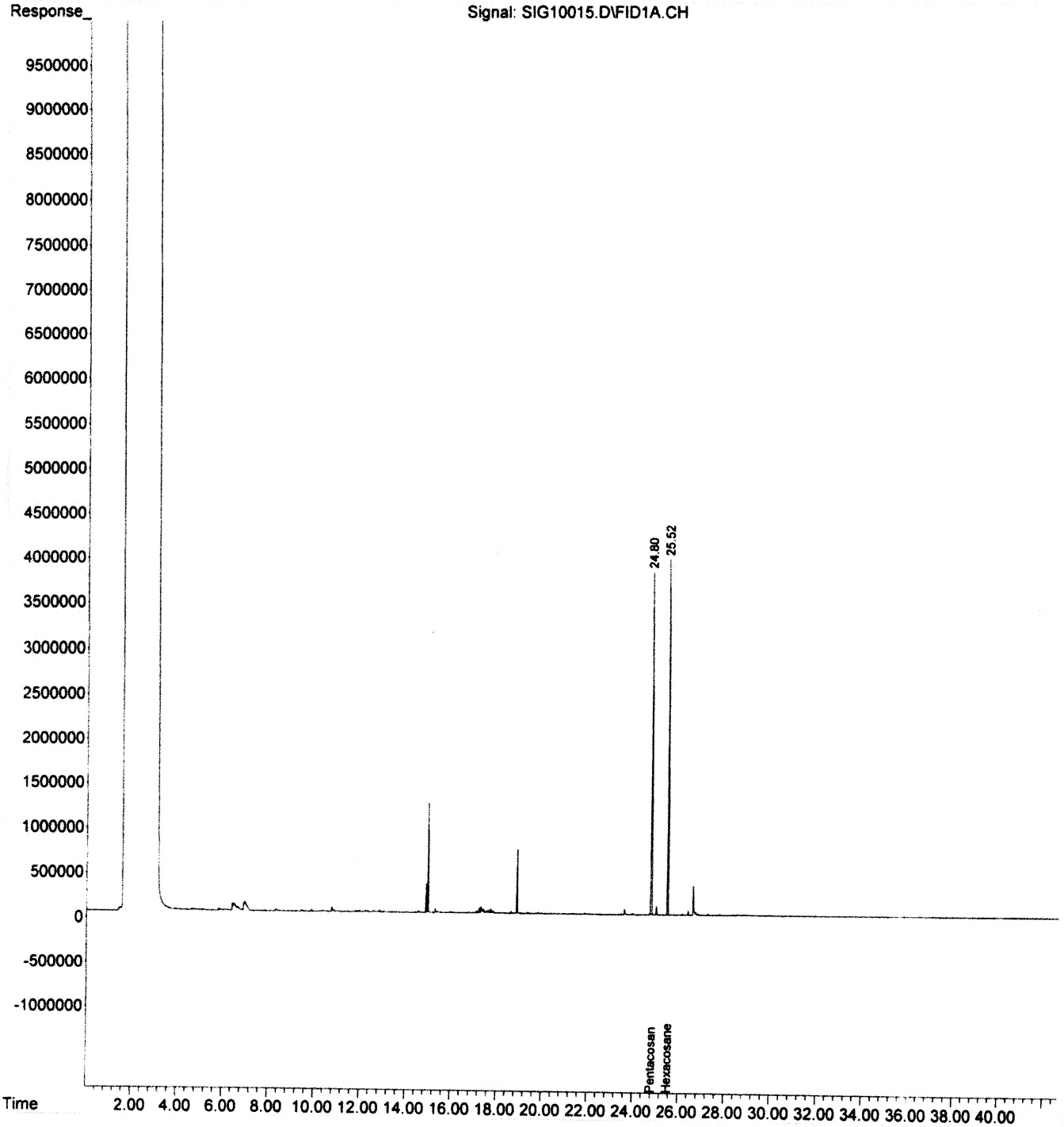
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10015.D Vial: 14
Acq On : 01 Feb 2023 5:24 am Operator: ARC
Sample : WDA1107-03 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 8:11 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



SIG10015.D 221128LOWDHT.M Thu Feb 02 08:42:13 2023

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10016.D Vial: 15
Acq On : 01 Feb 2023 6:19 am Operator: ARC
Sample : WDA1107-04 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 08:02:44 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	69087600	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	66113997	48.137	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	96.27%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

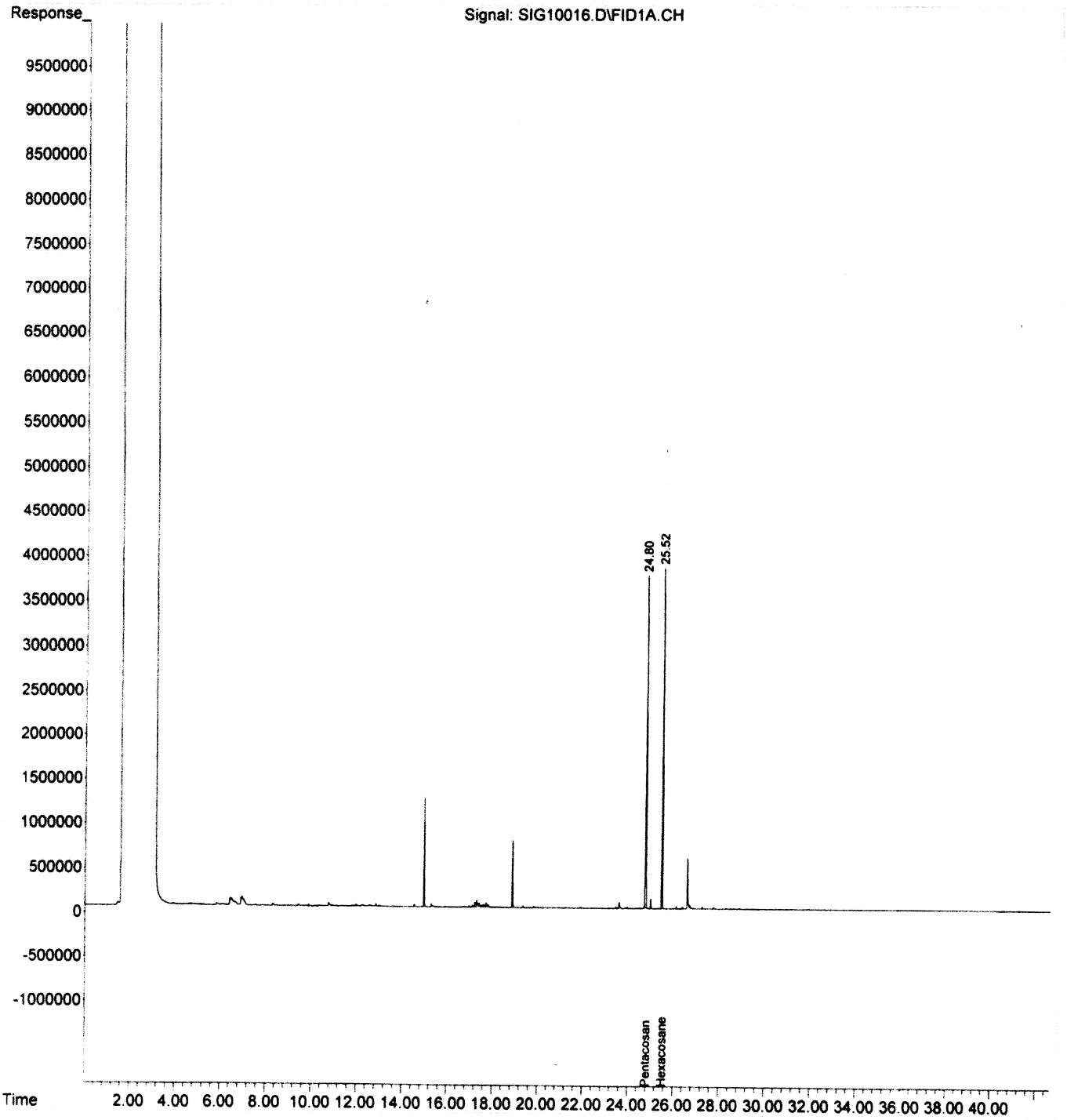
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10016.D Vial: 15
Acq On : 01 Feb 2023 6:19 am Operator: ARC
Sample : WDA1107-04 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 8:11 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10022.D Vial: 16
Acq On : 01 Feb 2023 11:48 am Operator: ARC
Sample : WDA1107-05 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 12:37:14 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	85562993	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	81880819	48.137	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	96.27%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

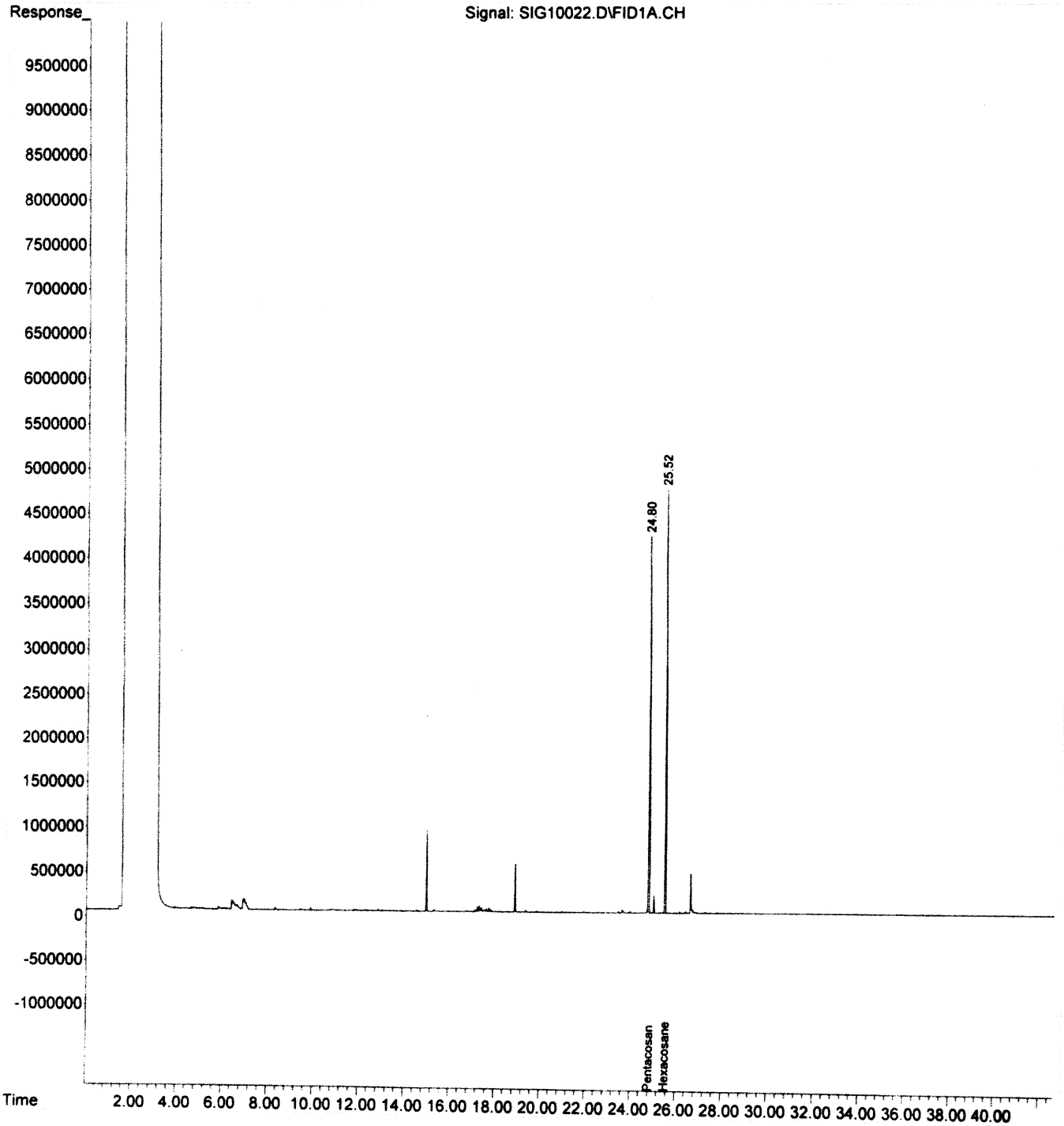
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10022.D Vial: 16
Acq On : 01 Feb 2023 11:48 am Operator: ARC
Sample : WDA1107-05 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 15:31 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



SIG10022.D 221128LOWDHT.M Thu Feb 02 08:42:32 2023

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10023.D Vial: 17
Acq On : 01 Feb 2023 12:43 pm Operator: ARC
Sample : WDA1107-06 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 13:35:17 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

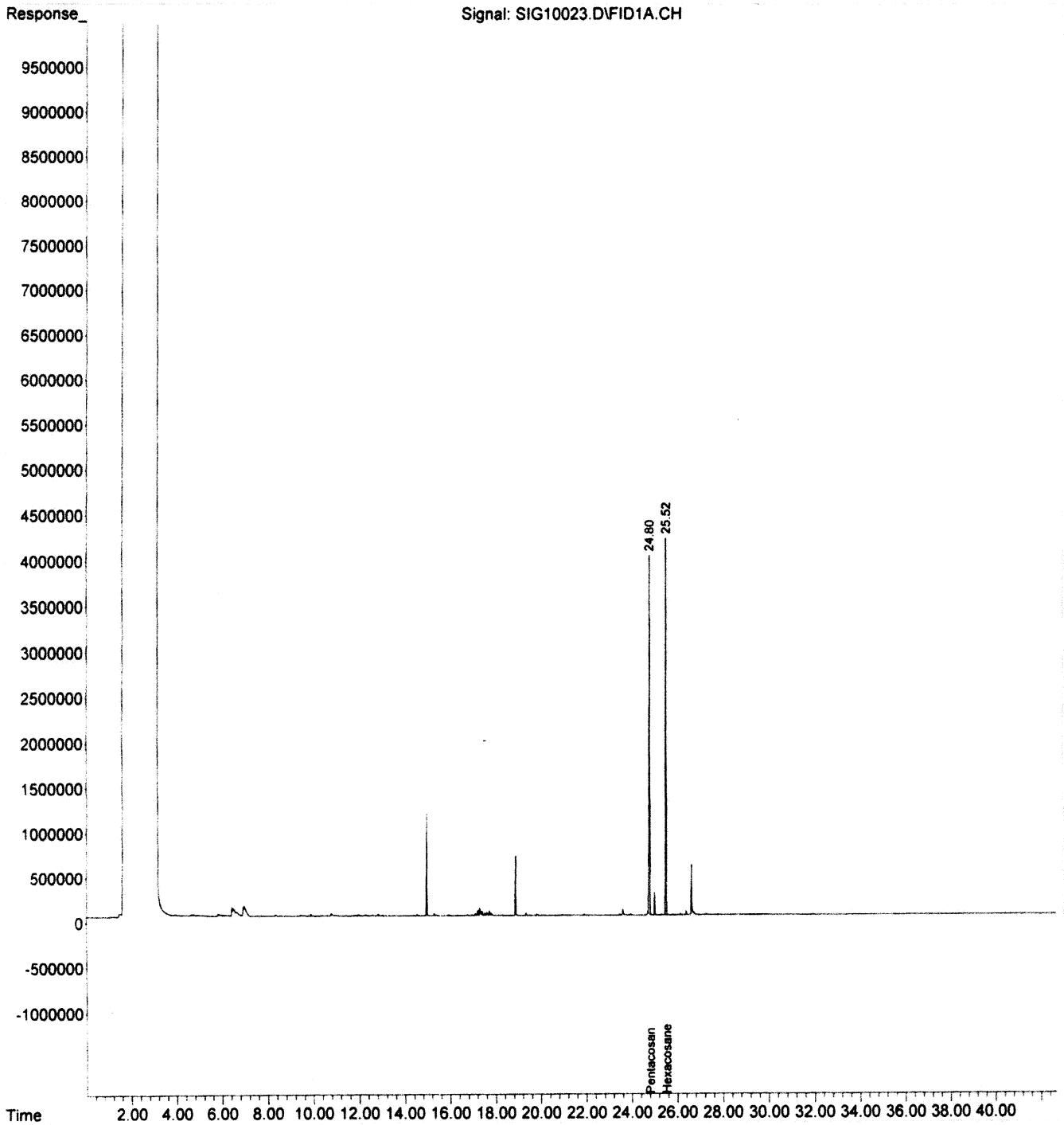
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	78512912	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	74912087	47.995	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	95.99%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10023.D Vial: 17
Acq On : 01 Feb 2023 12:43 pm Operator: ARC
Sample : WDA1107-06 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 15:32 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10024.D Vial: 18
Acq On : 01 Feb 2023 1:39 pm Operator: ARC
Sample : WDA1107-07 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 14:20:46 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

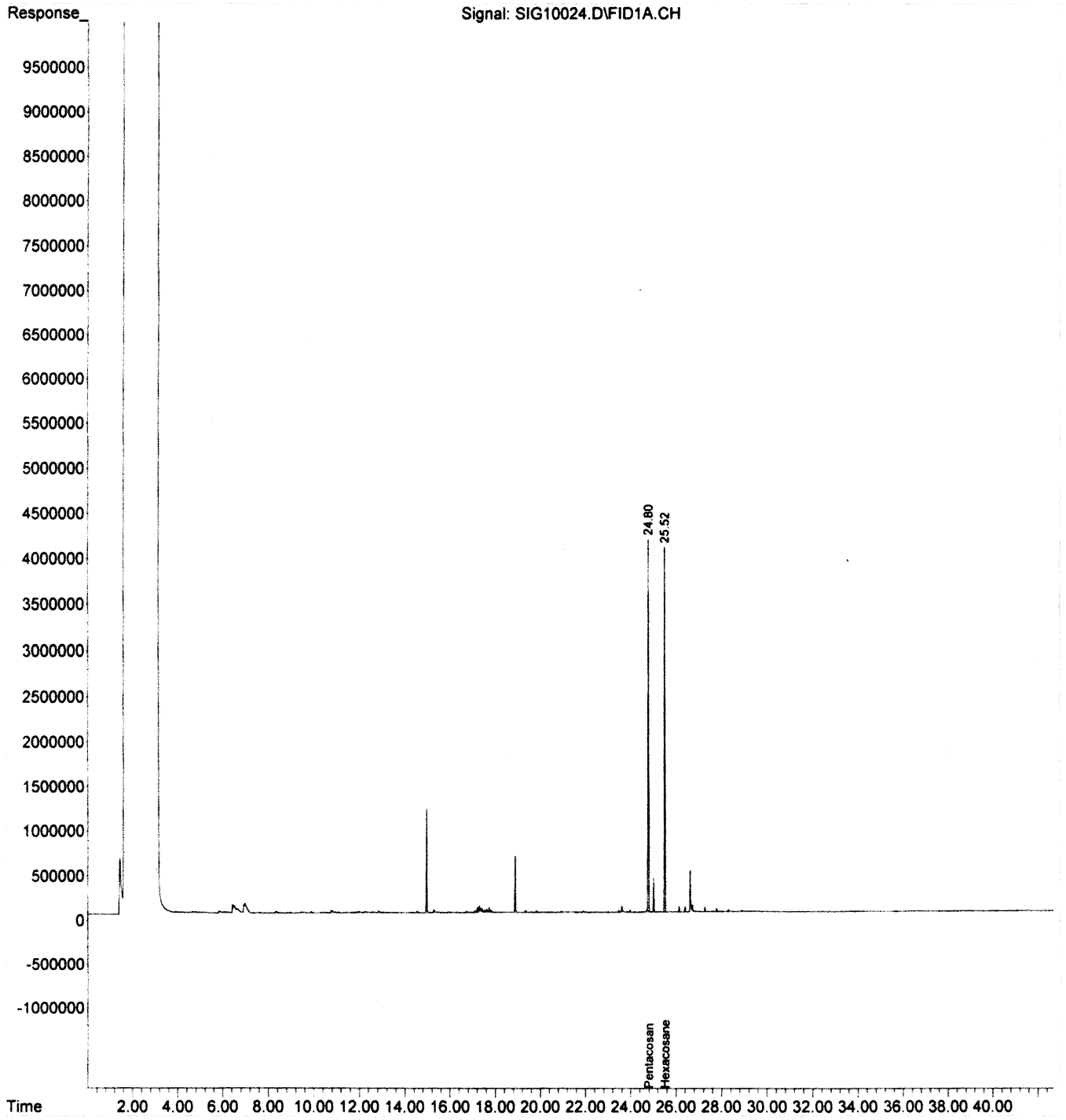
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	82971225	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	78559458	47.627	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	95.25%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10024.D Vial: 18
Acq On : 01 Feb 2023 1:39 pm Operator: ARC
Sample : WDA1107-07 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 15:32 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10025.D Vial: 19
Acq On : 01 Feb 2023 2:34 pm Operator: ARC
Sample : WDA1107-08 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 15:24:56 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.81	97969896	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	88760806	45.574	ppm	
Spiked Amount	50.000	Range 50 - 150	Recovery =	91.15%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	26.20	68844533	69.012	ppm	

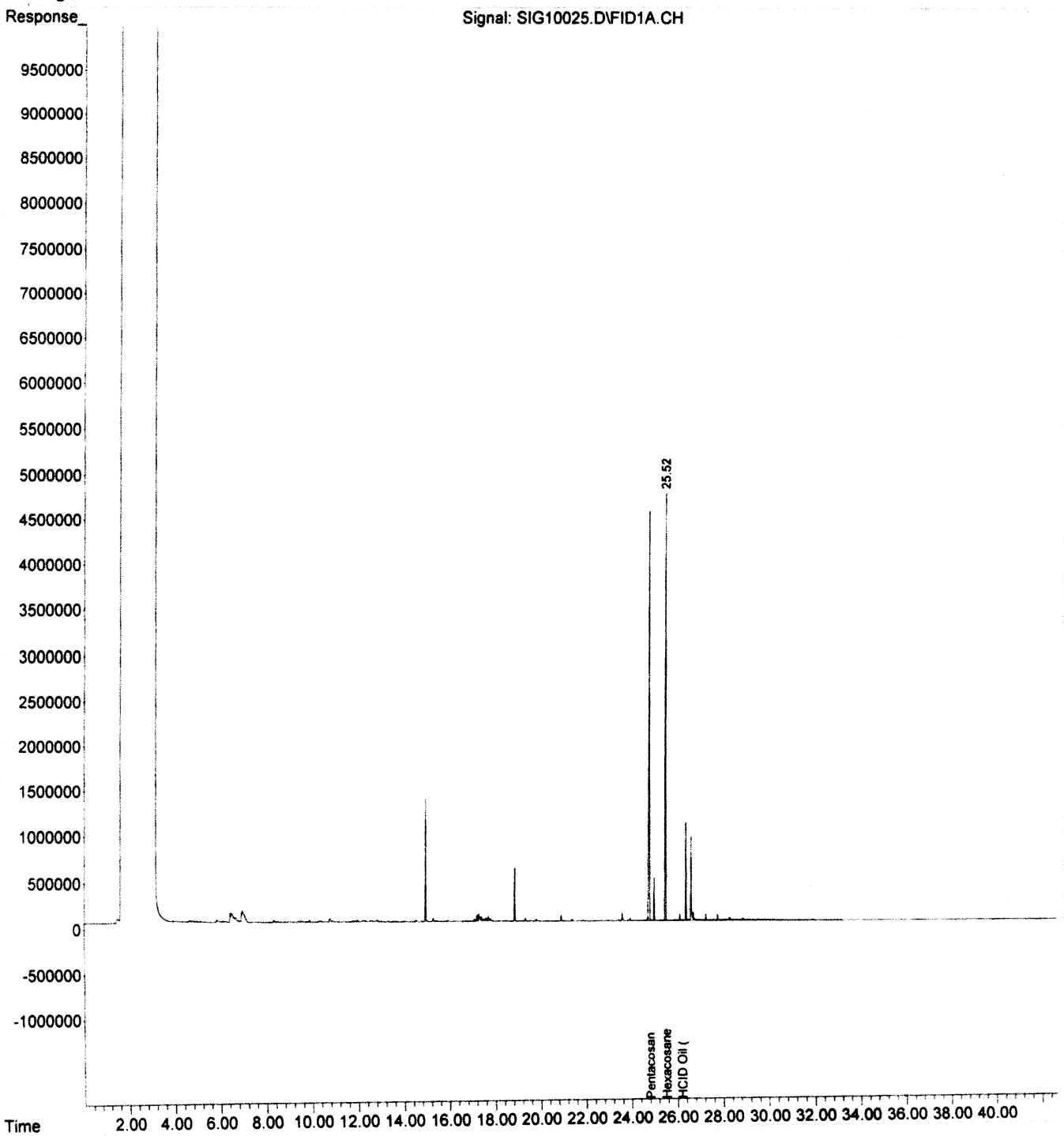
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10025.D Vial: 19
Acq On : 01 Feb 2023 2:34 pm Operator: ARC
Sample : WDA1107-08 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 15:33 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10026.D Vial: 20
Acq On : 01 Feb 2023 3:29 pm Operator: ARC
Sample : WDA1107-09 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 01 16:47:49 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.81	98963924	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	92179281	46.854	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	93.71%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

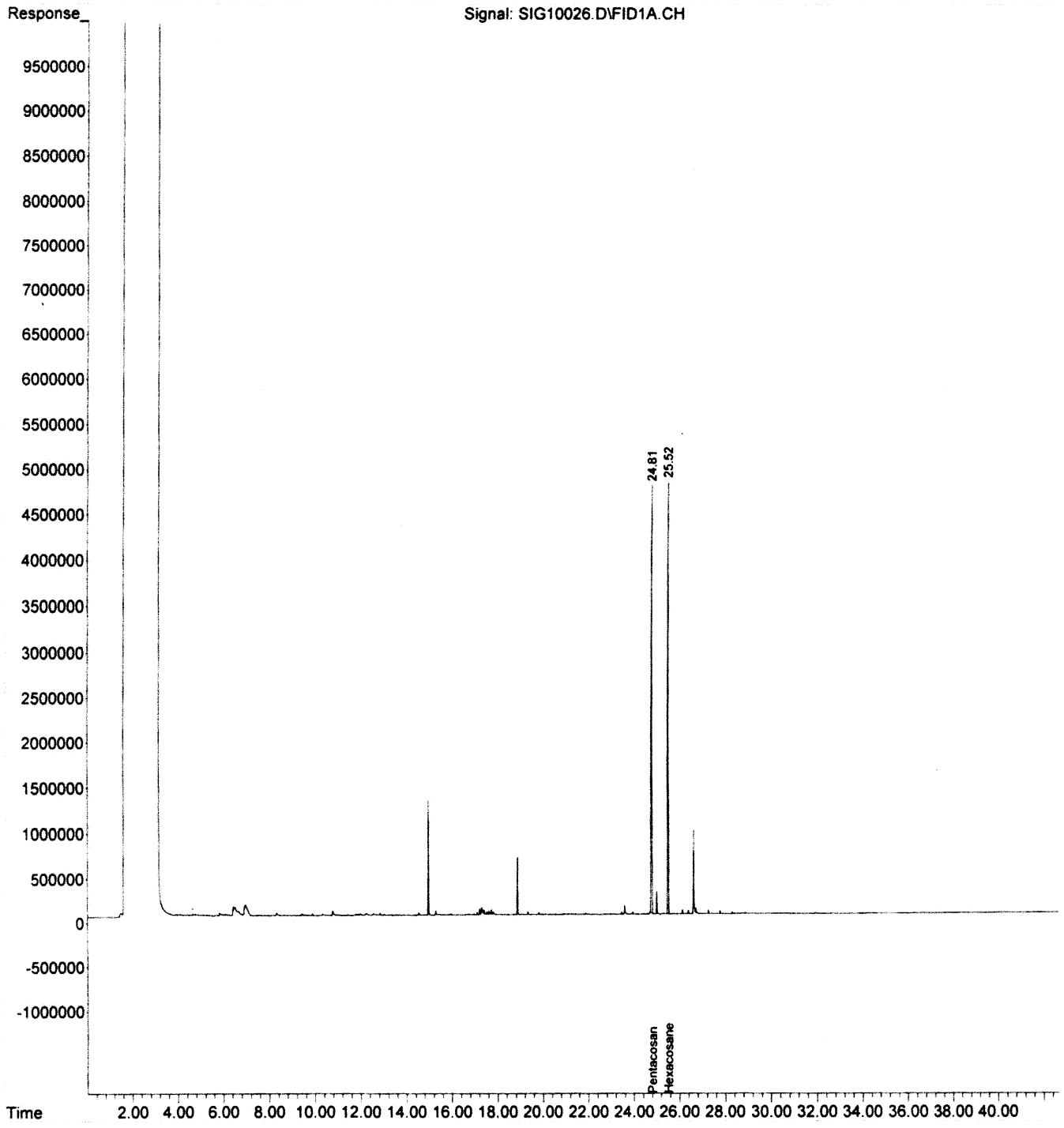
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10026.D Vial: 20
Acq On : 01 Feb 2023 3:29 pm Operator: ARC
Sample : WDA1107-09 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 1 16:50 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10027.D Vial: 21
Acq On : 01 Feb 2023 4:24 pm Operator: ARC
Sample : WDA1107-10 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 02 07:58:51 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	85397989	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	75633566	44.551	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	89.10%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

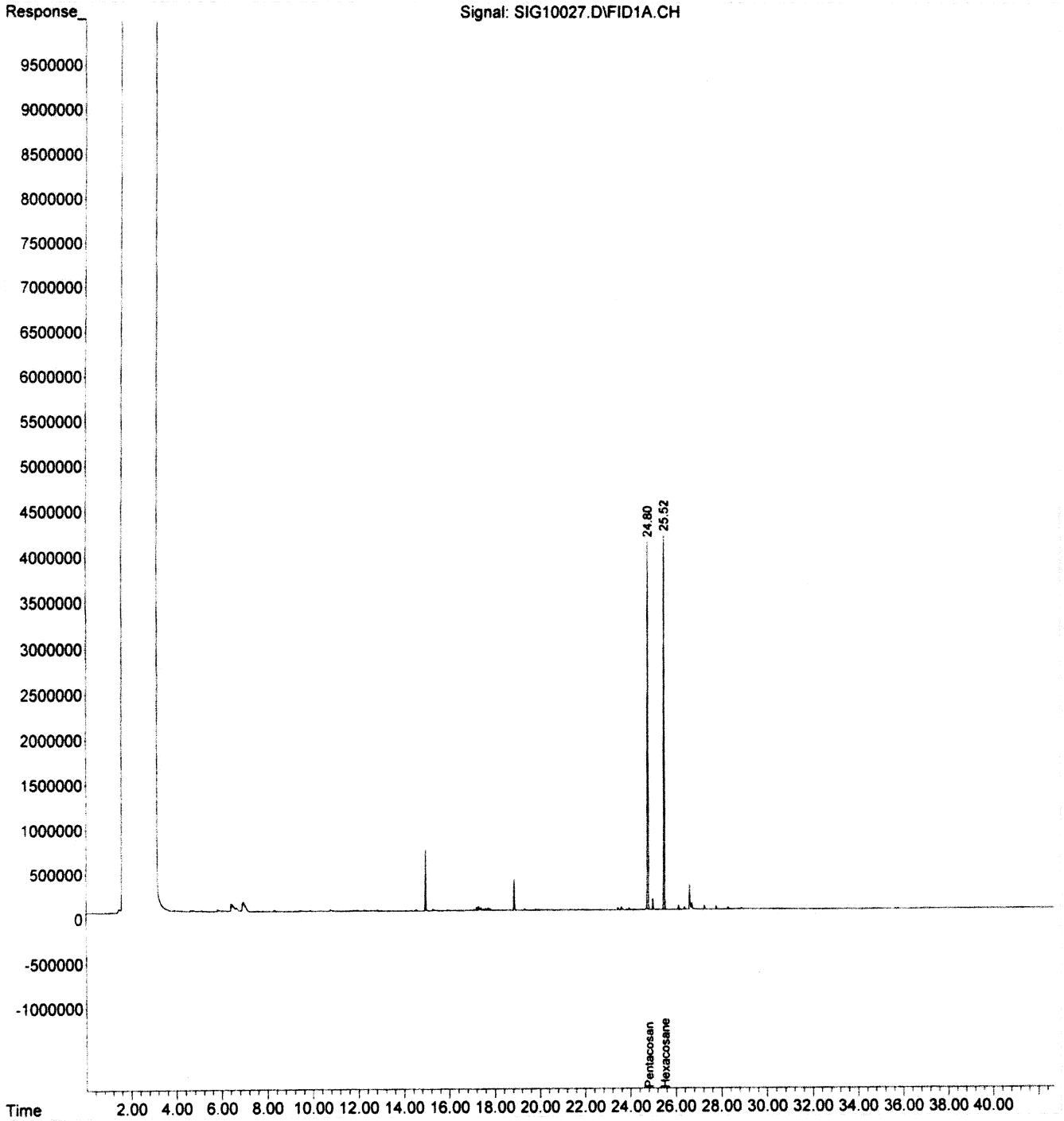
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10027.D Vial: 21
Acq On : 01 Feb 2023 4:24 pm Operator: ARC
Sample : WDA1107-10 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:01 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10028.D Vial: 22
Acq On : 01 Feb 2023 5:19 pm Operator: ARC
Sample : WDA1107-11 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 02 07:58:53 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	24.80	84876384	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.52	76123263	45.115	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	90.23%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

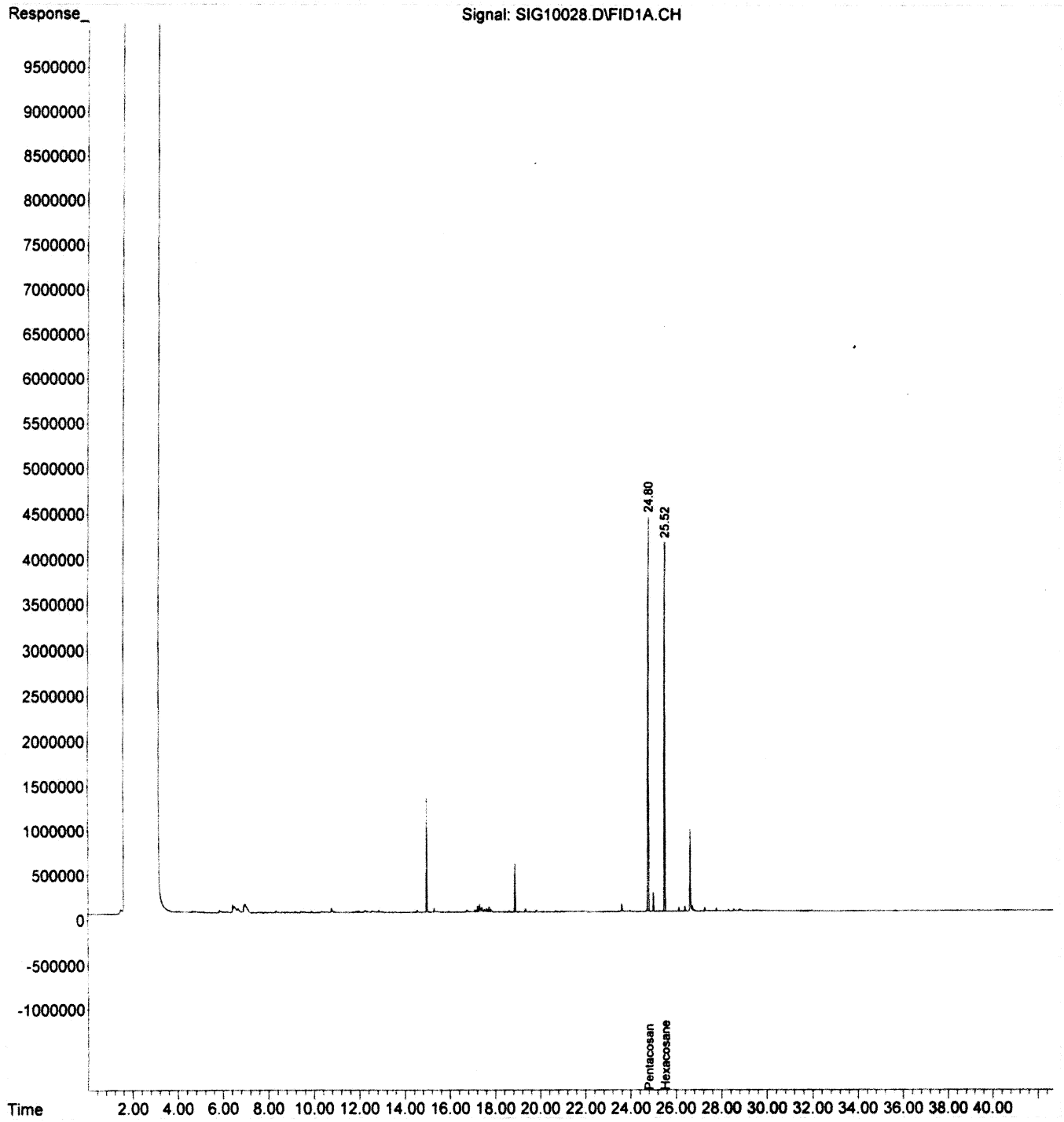
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10028.D Vial: 22
Acq On : 01 Feb 2023 5:19 pm Operator: ARC
Sample : WDA1107-11 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:02 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10029.D Vial: 23
Acq On : 01 Feb 2023 6:14 pm Operator: ARC
Sample : WDA1107-12 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 02 07:58:54 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

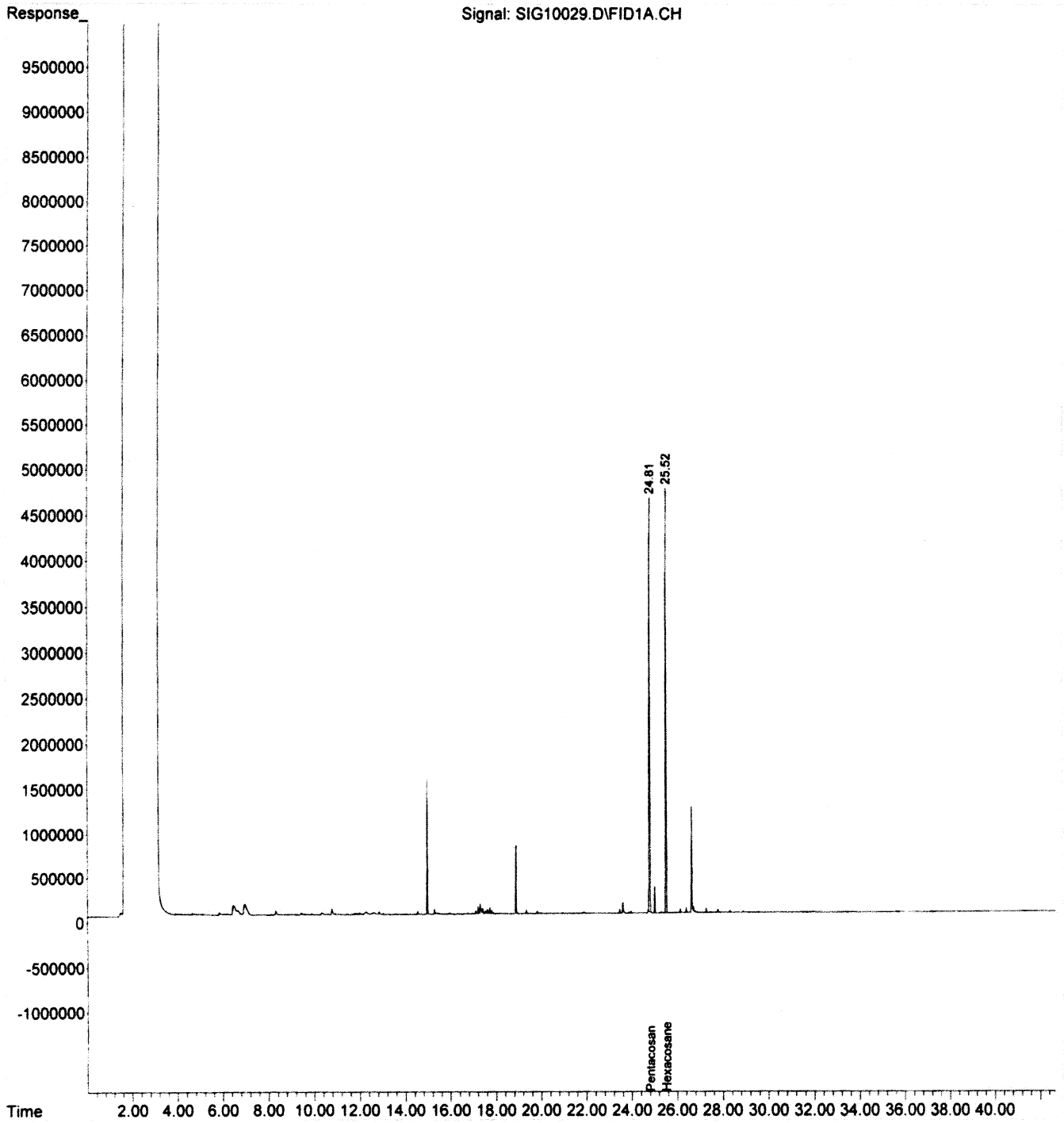
	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.81	94469486	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	87312961	46.492	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	92.98%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10029.D Vial: 23
Acq On : 01 Feb 2023 6:14 pm Operator: ARC
Sample : WDA1107-12 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:02 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10030.D Vial: 24
Acq On : 01 Feb 2023 7:09 pm Operator: ARC
Sample : WDA1107-13 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 02 07:58:55 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1)	I Pentacosane	24.80	77978014	50.000	ppm	m
	System Monitoring Compounds					
2)	S Hexacosane	25.52	73139969	47.181	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	94.36%		
	Target Compounds					
3)	H TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4)	H TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5)	H Mineral Oil	0.00	0	N.D.	ppm	
6)	h HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7)	h HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8)	h HCID Oil (>C14)	0.00	0	N.D.	ppm	

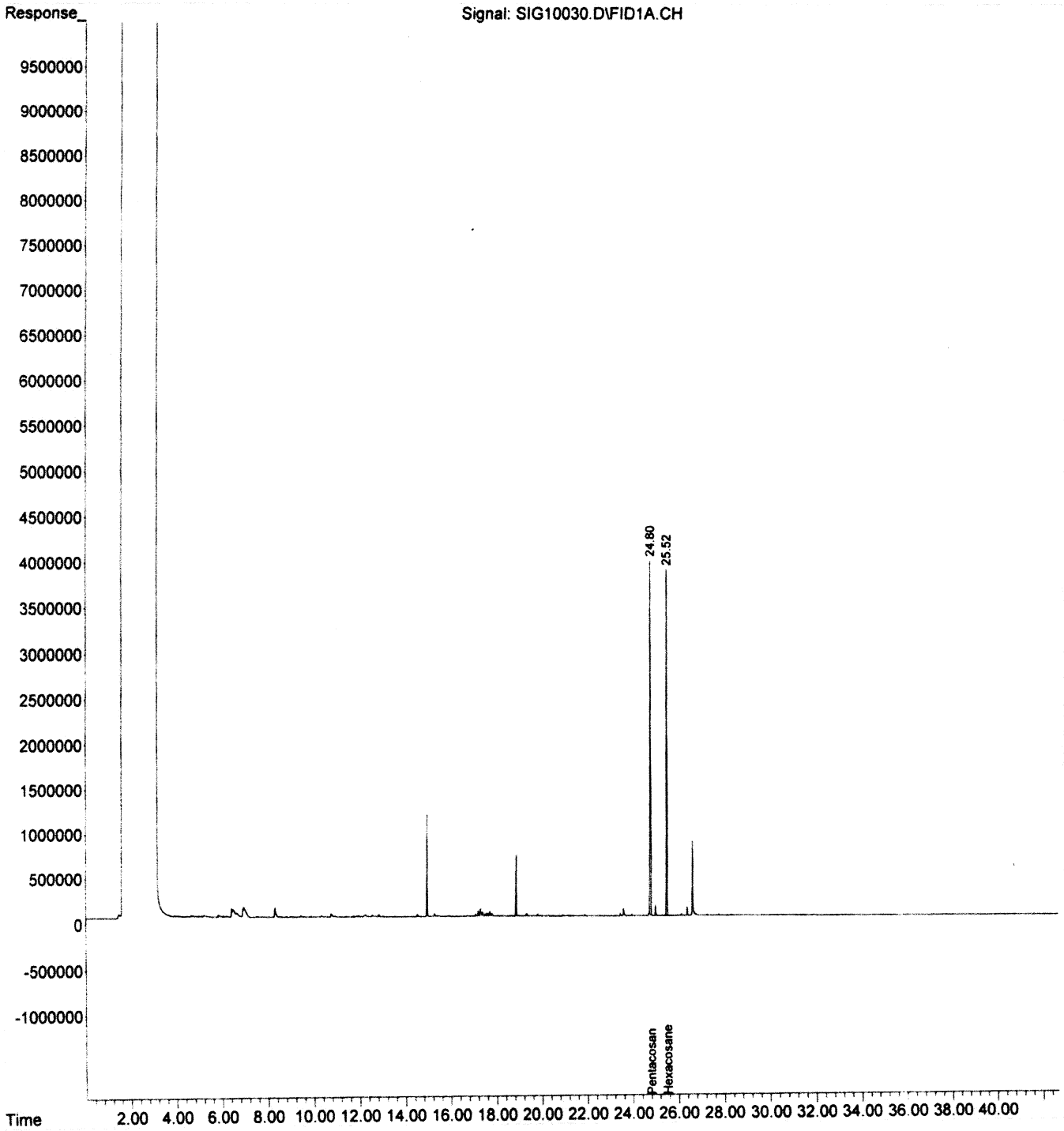
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10030.D Vial: 24
Acq On : 01 Feb 2023 7:09 pm Operator: ARC
Sample : WDA1107-13 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:03 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10031.D Vial: 25
Acq On : 01 Feb 2023 8:03 pm Operator: ARC
Sample : WDA1107-14 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 02 07:58:57 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	81101987	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	77922022	48.330	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	96.66%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

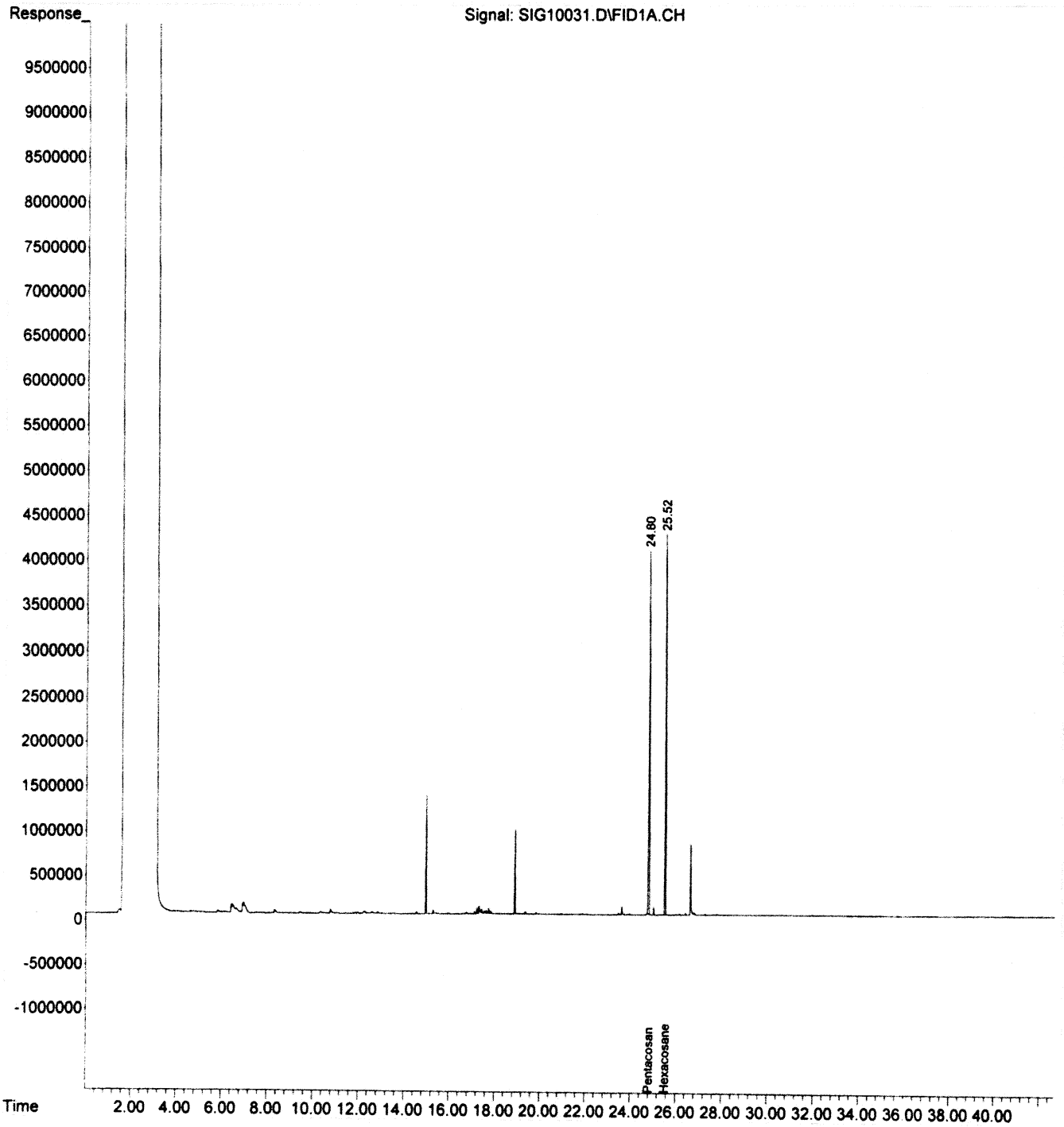
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10031.D Vial: 25
Acq On : 01 Feb 2023 8:03 pm Operator: ARC
Sample : WDA1107-14 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:05 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



SIG10031.D 221128LOWDHT.M Thu Feb 02 08:43:27 2023 Page 2

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10037.D Vial: 26
Acq On : 02 Feb 2023 1:32 am Operator: ARC
Sample : WDA1107-15 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 02 07:59:04 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	91952933	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	81105302	44.368	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	88.74%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

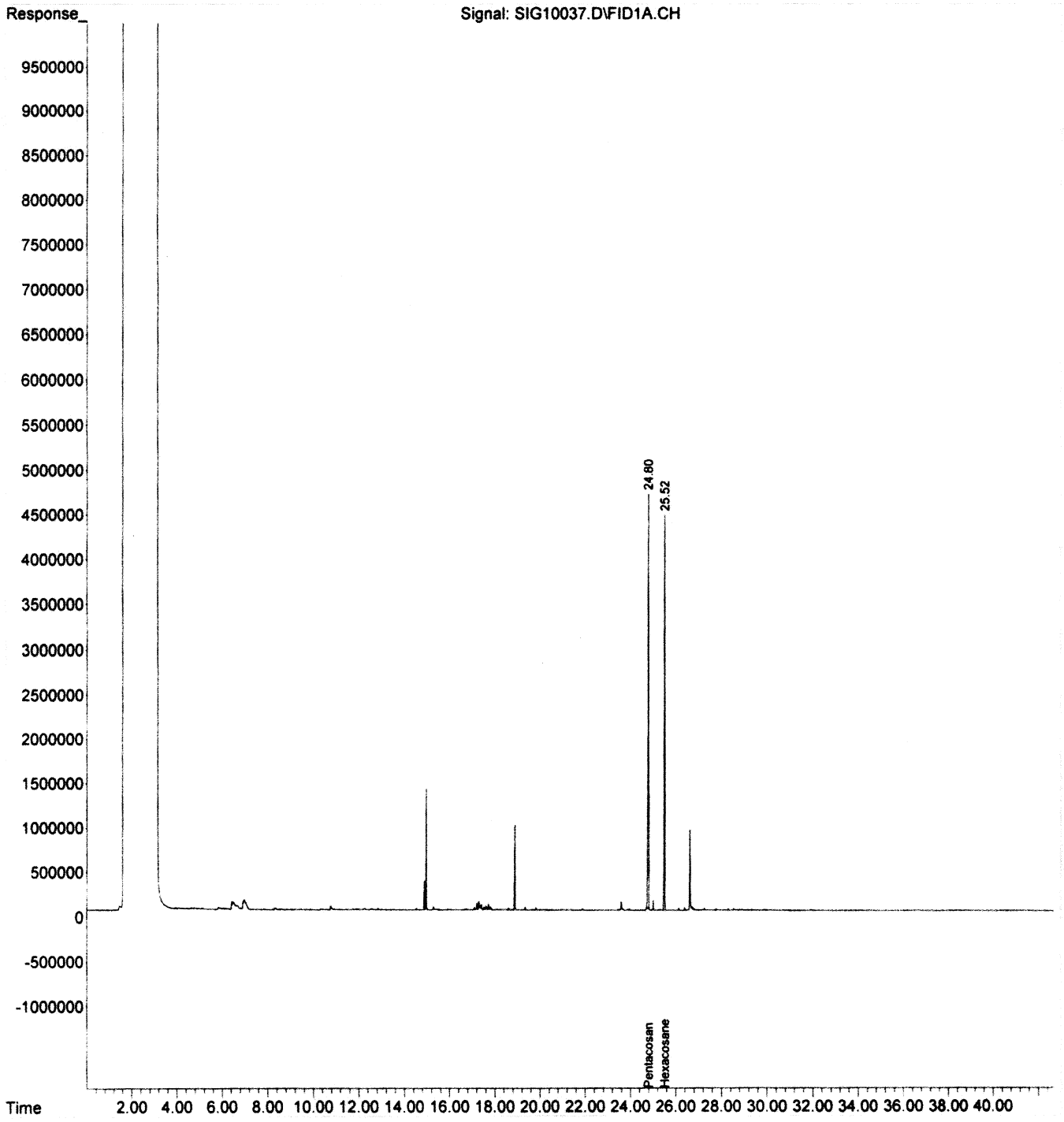
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10037.D Vial: 26
Acq On : 02 Feb 2023 1:32 am Operator: ARC
Sample : WDA1107-15 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:45 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10038.D Vial: 27
Acq On : 02 Feb 2023 2:27 am Operator: ARC
Sample : WDA1107-17 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 02 07:59:06 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.79	67076278	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.51	64569270	48.422	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	96.84%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

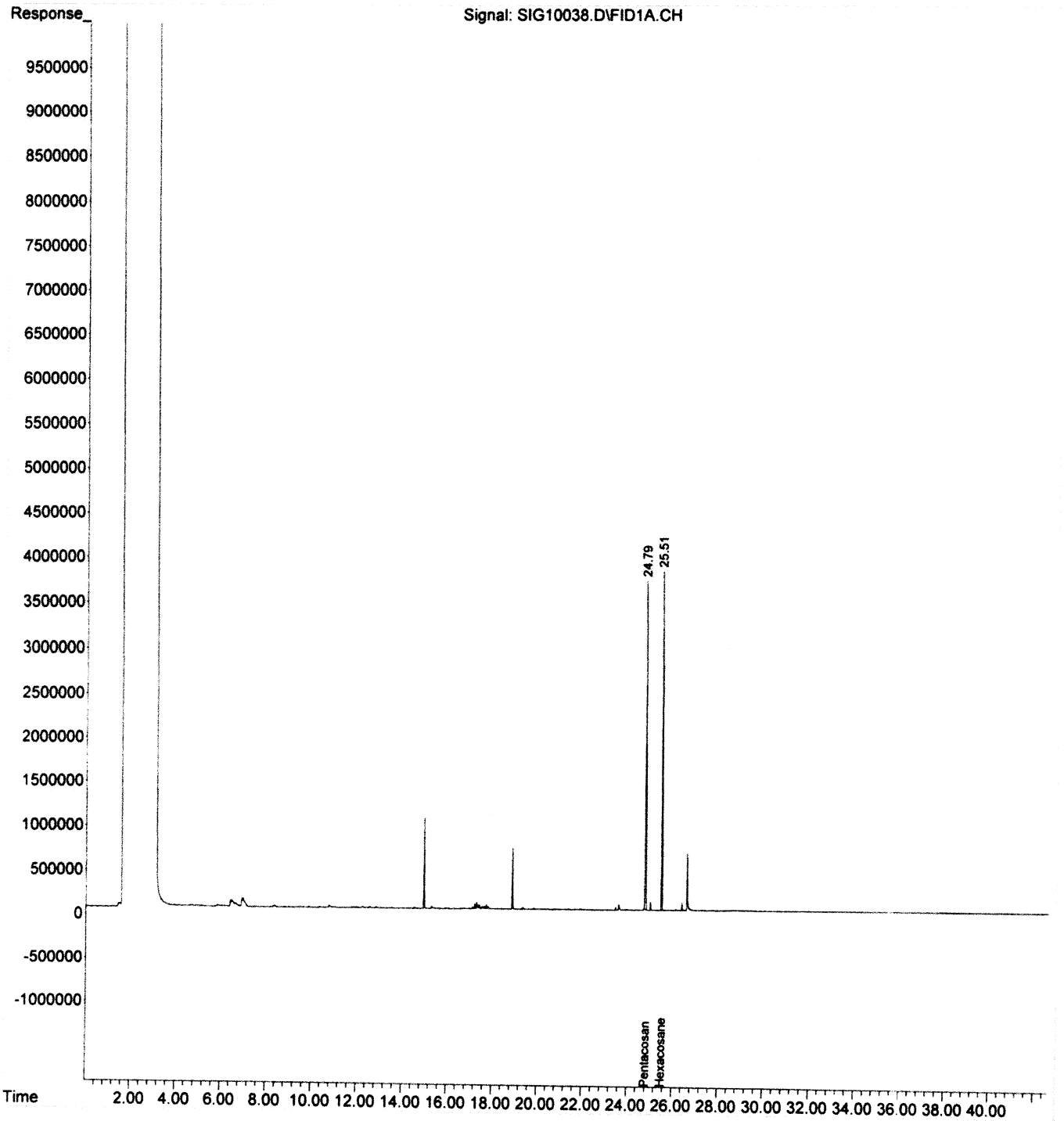
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10038.D Vial: 27
Acq On : 02 Feb 2023 2:27 am Operator: ARC
Sample : WDA1107-17 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:16 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10039.D Vial: 28
Acq On : 02 Feb 2023 3:21 am Operator: ARC
Sample : WDA1107-18 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 02 07:59:07 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Initial Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
	Internal Standards					
1) I	Pentacosane	24.80	100920889	50.000	ppm	m
	System Monitoring Compounds					
2) S	Hexacosane	25.52	93758873	46.732	ppm	m
Spiked Amount	50.000	Range 50 - 150	Recovery =	93.46%		
	Target Compounds					
3) H	TPH Diesel (C12-C14)	0.00	0	N.D.	ppm	
4) H	TPHDX-Lube Oil (>C14)	0.00	0	N.D.	ppm	
5) H	Mineral Oil	0.00	0	N.D.	ppm	
6) h	HCID Gas (C7-C12)	0.00	0	N.D.	ppm	
7) h	HCID Diesel (C12-C14)	0.00	0	N.D.	ppm	
8) h	HCID Oil (>C14)	0.00	0	N.D.	ppm	

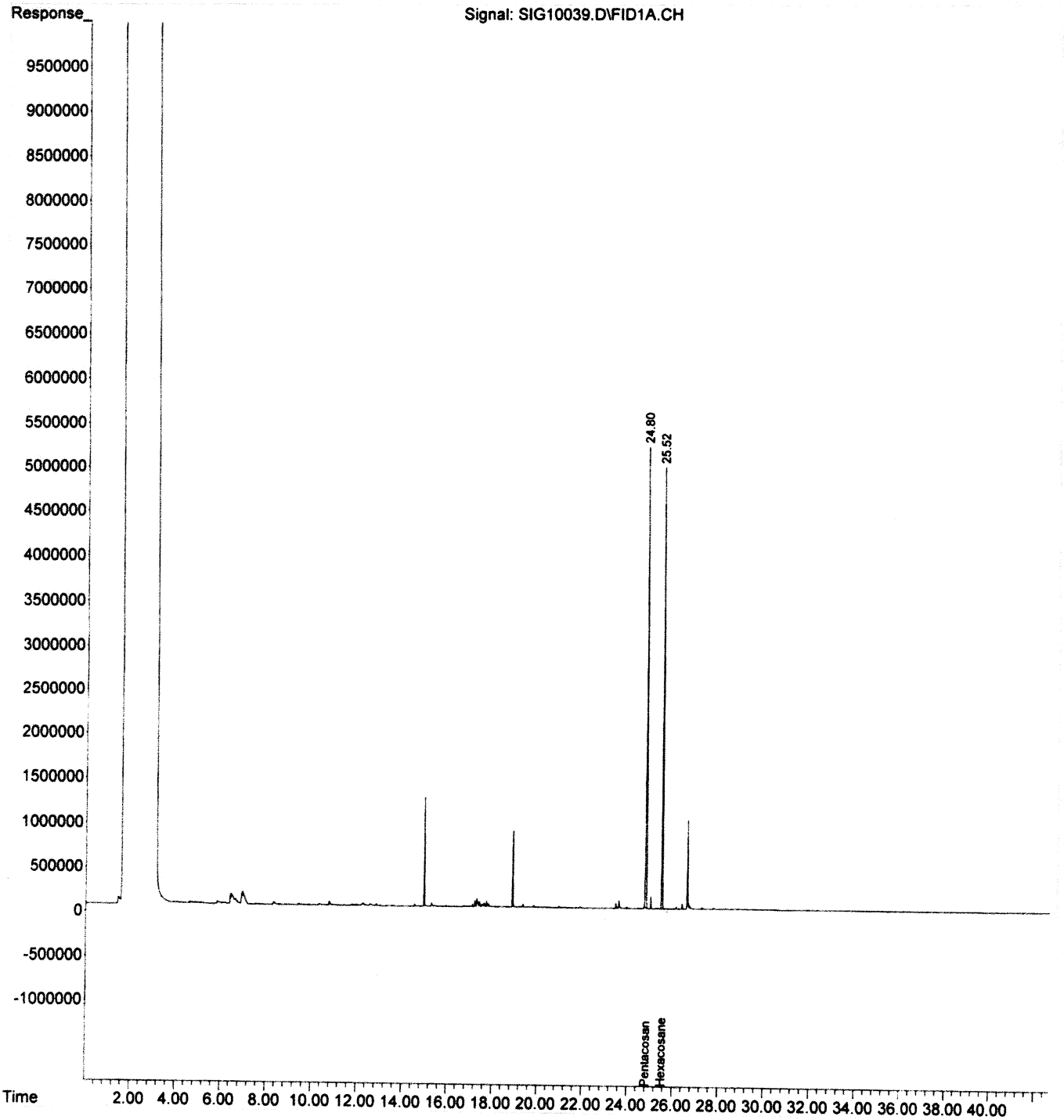
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10039.D Vial: 28
Acq On : 02 Feb 2023 3:21 am Operator: ARC
Sample : WDA1107-18 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:17 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :

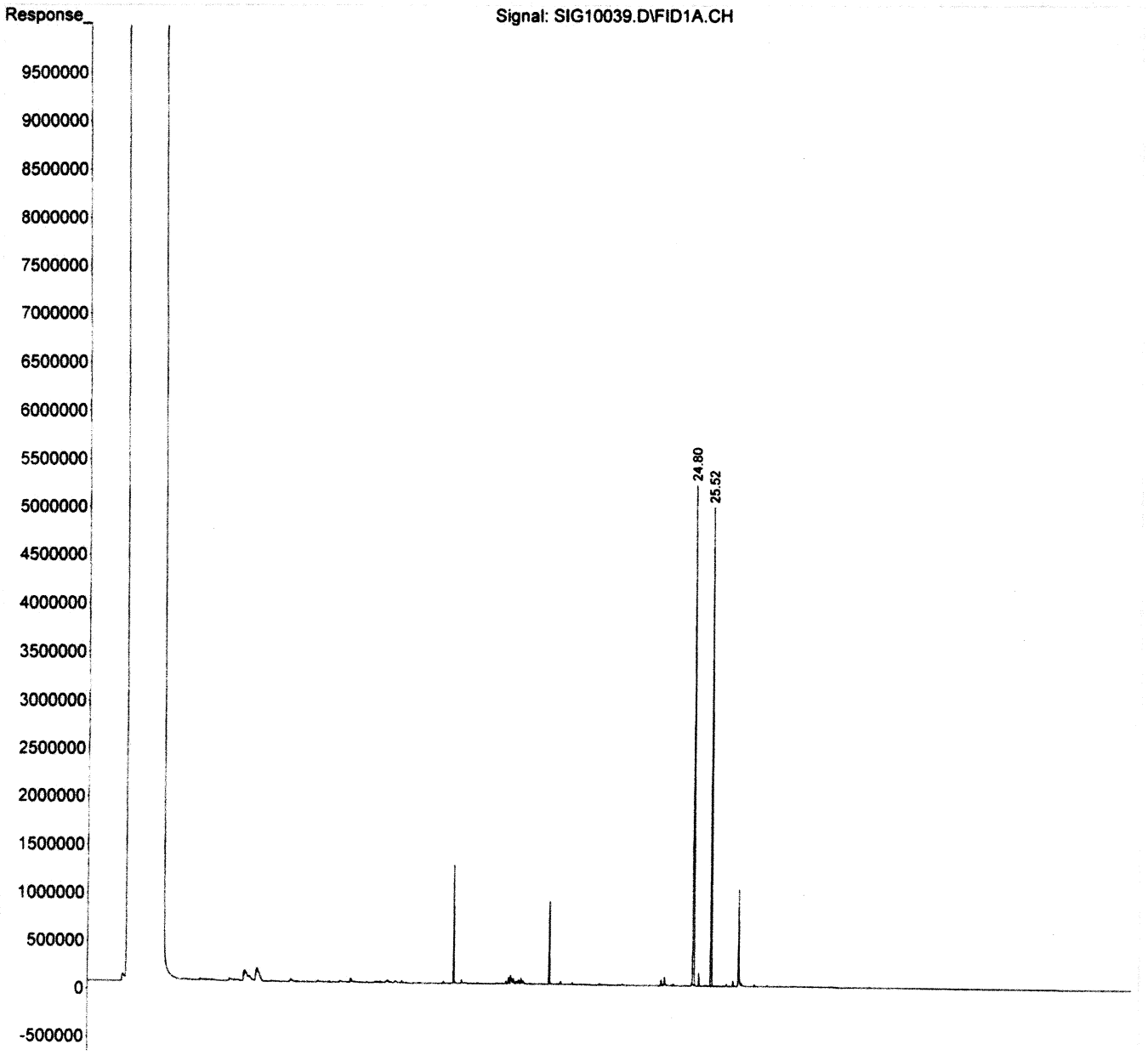


Quantitation Report (QT Reviewed)

Data File : W:\HPCHEM\1\2023DATA\013123\SIG10039.D Vial: 28
Acq On : 02 Feb 2023 3:21 am Operator: ARC
Sample : WDA1107-18 Inst : HP G1530A
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Feb 2 8:17 2023 Quant Results File: 221128LOWDHT.RES

Quant Method : W:\HPCHEM\1...\221128LOWDHT.M (Chemstation Integrator)
Title :
Last Update : Wed Nov 30 12:53:35 2022
Response via : Multiple Level Calibration
DataAcq Meth : DXHCID5.M

Volume Inj. :
Signal Phase :
Signal Info :



Report Generated By Teledyne CETAC QuickTrace

Analyst: Mercury

Worksheet file: C:\Users\Public\Documents\Teledyne CETAC\QuickTrace\Worksheets\02032023 245 A.wszf

Creation Date: 2/3/2023 10:45:16 AM

Comment:

Results

Sample Name		Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual	Flags
Calibration Blank		STD	02/03/23 12:27:18 pm	0.0000	441	7.13	-69.41	
Replicates	486.7	435.2	428.7	414.7				
Standard #1 (0.1 ppb)		STD	02/03/23 12:29:44 pm	0.1000	2777	3.91	-41.34	
Replicates	2636.1	2752.7	2835.5	2884.5				
Standard #2 (0.5 ppb)		STD	02/03/23 12:32:11 pm	0.5000	9901	2.74	-50.74	
Replicates	9570.0	9817.6	10012.4	10203.6				
Standard #3 (2.0 ppb)		STD	02/03/23 12:34:38 pm	2.0000	39589	0.45	77.10	
Replicates	39718.9	39752.2	39506.8	39380.1				
Standard #4 (5.0 ppb)		STD	02/03/23 12:37:05 pm	5.0000	96431	0.63	193.72	
Replicates	95622.2	96466.6	97083.8	96550.0				
Standard #5 (10 ppb)		STD	02/03/23 12:39:32 pm	10.0000	182094	0.86	-109.33	
Replicates	182500.1	183615.6	182349.1	179910.7				

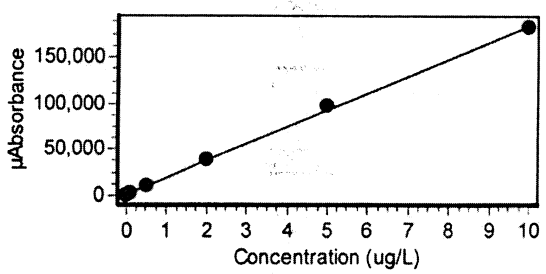
Calibration

Equation: A = 1707.277 + 18238.055C

R2: 0.99917

SEE: 2316.4060

Flags:



ICV		UNK	02/03/23 01:21:18 pm	1.8630	35683	1.40		
Replicates	35936.6	36084.7	35698.7	35013.0				
CCV		UNK	02/03/23 01:23:45 pm	5.2860	98112	1.57		
Replicates	99098.5	99234.0	98148.7	95965.5				
BLANK		UNK	02/03/23 01:26:11 pm	-0.0320	1123	36.02		
Replicates	1374.1	1196.5	1036.7	884.3				
BLANK		UNK	02/03/23 01:28:37 pm	-0.0654	515	1.25		
Replicates	536.9	513.9	507.6	503.5				
LCS		UNK	02/03/23 01:31:04 pm	-0.0748	343	1.41		
Replicates	352.1	364.7	330.2	323.1				
WDA1107-01		UNK	02/03/23 01:33:30 pm	-0.0657	508	1.15		
Replicates	520.1	518.0	504.8	490.3				
WDA1107-02		UNK	02/03/23 01:35:56 pm	-0.0636	548	1.57		
Replicates	571.0	548.6	544.1	526.7				

Sample Name		Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags
WDA1107-03		UNK	02/03/23 01:38:23 pm	-0.0530	741	1.27	
Replicates	737.2	758.0	738.0	729.3			
WDA1107-04		UNK	02/03/23 01:40:50 pm	-0.0726	383	1.68	
Replicates	403.5	395.2	382.4	352.9			
WDA1107-05		UNK	02/03/23 01:43:16 pm	-0.0755	330	1.38	
Replicates	349.9	335.3	329.5	304.3			
WDA1107-06		UNK	02/03/23 01:45:43 pm	-0.0807	235	1.10	
Replicates	235.5	213.3	238.8	252.4			
WDA1107-07		UNK	02/03/23 01:48:10 pm	-0.0702	426	0.96	
Replicates	444.6	422.7	417.4	420.8			
WDA1107-08		UNK	02/03/23 01:50:38 pm	-0.0655	513	1.64	
Replicates	526.9	532.4	501.3	491.9			
WDA1107-09		UNK	02/03/23 01:53:05 pm	-0.0461	867	3.82	
Replicates	897.4	879.9	867.1	822.2			
WDA1107-10		UNK	02/03/23 01:55:31 pm	-0.0665	494	1.52	
Replicates	511.0	499.9	496.7	467.8			
BLANK		UNK	02/03/23 01:57:57 pm	-0.0690	449	2.31	
Replicates	475.5	470.9	434.6	415.3			
CCV		UNK	02/03/23 02:00:24 pm	5.2700	97822	0.55	
Replicates	97347.0	98196.9	98357.6	97385.1			
WDA1107-11		UNK	02/03/23 02:02:50 pm	0.0074	1843	301.65	
Replicates	2344.5	1974.2	1649.7	1402.3			
WDA1107-12		UNK	02/03/23 02:05:17 pm	-0.0772	299	0.82	
Replicates	311.3	305.4	289.6	288.2			
WDA1107-13		UNK	02/03/23 02:07:43 pm	-0.0766	310	1.14	
Replicates	333.3	296.4	304.4	306.9			
WDA1107-14		UNK	02/03/23 02:10:09 pm	-0.0676	474	1.16	
Replicates	478.5	469.9	490.6	456.6			
MS1		UNK	02/03/23 02:12:36 pm	-0.0723	388	1.05	
Replicates	399.3	396.7	368.9	386.7			
MSD1		UNK	02/03/23 02:15:03 pm	-0.0665	493	1.64	
Replicates	520.8	483.3	494.7	475.1			
MSA		UNK	02/03/23 02:17:29 pm	-0.0716	402	1.02	
Replicates	396.9	422.0	394.1	395.5			
MSDA		UNK	02/03/23 02:19:56 pm	-0.0741	356	1.58	
Replicates	381.2	362.7	348.7	330.6			
WDA1107-15		UNK	02/03/23 02:22:23 pm	-0.0696	438	1.08	
Replicates	456.8	425.3	437.6	430.8			
WDA1107-16		UNK	02/03/23 02:24:51 pm	-0.0749	341	1.83	
Replicates	322.8	333.0	377.8	329.5			

Sample Name			Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Residual Flags
MS2			UNK	02/03/23 02:27:18 pm	-0.0742	353	1.73	
	Replicates	379.8	360.6	348.0	323.9			
MSD2			UNK	02/03/23 02:29:44 pm	-0.0759	322	1.41	
	Replicates	344.2	329.5	298.0	318.2			
MSB			UNK	02/03/23 02:32:10 pm	-0.0729	377	2.04	
	Replicates	403.8	394.6	365.0	344.9			
MSDB			UNK	02/03/23 02:34:37 pm	-0.0720	394	0.43	
	Replicates	392.2	401.1	395.8	388.0			
MS1			UNK	02/03/23 02:37:03 pm	1.4840	28773	1.90	
	Replicates	29041.2	29201.9	28809.1	28040.5			
MS1D			UNK	02/03/23 02:39:29 pm	1.5480	29933	0.76	
	Replicates	29704.5	30141.2	30089.3	29798.1			
MS2			UNK	02/03/23 02:41:55 pm	1.5160	29347	2.21	
	Replicates	29789.7	29795.2	29306.2	28498.0			
MSD2			UNK	02/03/23 02:44:21 pm	1.5360	29715	1.88	
	Replicates	30077.0	30110.4	29696.0	28976.4			
MS B			UNK	02/03/23 02:46:48 pm	1.6120	31104	0.95	
	Replicates	30878.0	31340.8	31350.7	30847.1			
MSD B			UNK	02/03/23 02:49:14 pm	1.5200	29434	0.93	
	Replicates	29154.7	29644.6	29663.9	29273.9			
WDA1107-17			UNK	02/03/23 02:51:41 pm	-0.0218	1309	39.11	
	Replicates	1495.7	1358.1	1254.7	1128.8			
WDA1107-18			UNK	02/03/23 02:54:07 pm	-0.0524	751	4.97	
	Replicates	796.0	772.9	751.4	685.6			
WDA1181-01			UNK	02/03/23 02:56:34 pm	0.0724	3028	2.24	
	Replicates	3062.7	3010.6	2996.7	3040.0			
BLANK			UNK	02/03/23 02:59:00 pm	-0.0743	352	2.47	
	Replicates	397.0	352.5	339.2	317.8			
LCS			UNK	02/03/23 03:01:27 pm	-0.0739	360	2.42	
	Replicates	393.6	368.3	361.9	315.3			
LCS2			UNK	02/03/23 03:03:54 pm	1.8760	35916	1.93	
	Replicates	36383.8	36381.3	35915.7	34984.8			
BLK			UNK	02/03/23 03:06:20 pm	-0.0452	883	18.39	
	Replicates	1062.8	935.1	827.4	707.6			
CK1			UNK	02/03/23 03:08:47 pm	0.4786	10436	1.84	
	Replicates	10516.1	10561.6	10461.1	10203.2			
CK2			UNK	02/03/23 03:11:14 pm	2.2420	42589	0.80	
	Replicates	42481.0	42896.2	42799.9	42177.6			
CK3			UNK	02/03/23 03:13:41 pm	5.3800	99823	1.87	
	Replicates	101072.0	101219.3	99744.8	97257.3			

Notes

Analyst:

Lamp Current:

High Standard mirco Abs:

Starting sequence Wed Feb 22 13:25:49 2023

Instrument Name: MSD4
Sequence File: T:\Data1\MSD4\SEQUENCES\2022\022023.s
Comment: 6270
Operator: MAH
Data Path: T:\DATA1\MSD4\2023\FEB\22CARD\
Method Path: C:\MSDCHEM\1\METHODS\

Line	Type	Vial	DataFile	Method	Sample Name
1)	Sample	1	00101001	SVOCT1	IN
2)	Sample	1	00102002	SVOCT1	SYS
3)	Sample	2	00201003	CARDSIM	CARDNO 5 PPM
4)	Sample	3	00301004	CARDSIM	CARDNO 2.5 PPM
5)	Sample	4	00401005	CARDSIM	CARDNO 1 PPM
6)	Sample	5	00501006	CARDSIM	CARDNO 0.5 PPM
7)	Sample	6	00601007	CARDSIM	CARDNO 0.1 PPM
8)	Sample	7	00701008	CARDSIM	CARDNO 0.05 PPM
9)	Sample	8	00801009	CARDSIM	BDB0425-BLK1
10)	Sample	9	00901010	CARDSIM	WDA1107-16

Sequence completed Wed Feb 22 18:03:14 2023

T:\DATA1\MSD4\2023\FEB\22CARD\2023 Feb 22 1325 Quality Log.LOG
T:\DATA1\MSD4\2023\FEB\22CARD\2023 Feb 22 1325 Sequence Log .LOG

Anatek Labs, Inc
1282 Alturas Drive
Moscow, ID 83843

1,4-Dioxane Cal. Standard Prep. Form **Method: EPA 625.1/8270D**

IS/Surrogate Standards

Standard	Reagent ID	Expiration	Concentration (ppm)
CLP B/N Surrogate	2101009	3/23	1000
CLP Internal Standard	2201012	3/23	2000

Target Compound Standards

Standard	Reagent ID	Expiration	Concentration (ppm)
Chlorpyrifos	2003215	6/23	1000
Metolachlor	2003216	3/23	1000
Atrazine	2003218	11/24	1000

Calibration Dilution Template

Desired Concentration (ppm)	Stock Concentration (ppm) **	uL Standard Added	Final Volume (uL)
10	100	100	1000
5	100	50	1000
2.5	100	25	1000
1.0	100	10	1000
0.5	100	5	1000
0.1	100	1	1000
0.05	100	0.5	1000

Calibration made from target compound standards in the table. 25 uL of surrogate and 10 uL of IS stock added to each standard point. Dilutions were made in $MeCl_2$ (2200721).

Analyst Initials: _____ Date of Preparation: 1/05/23 by MAH

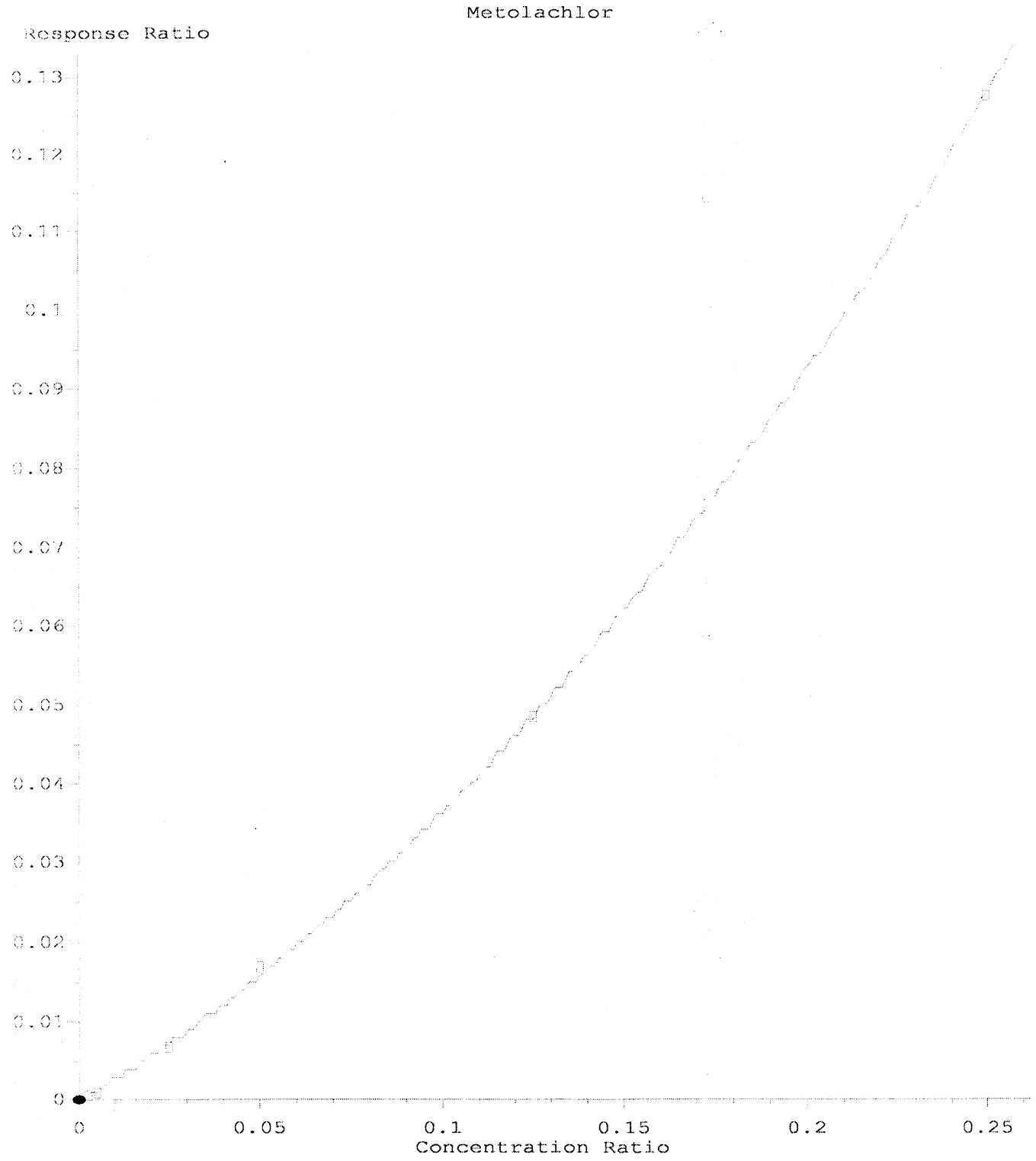
Method Path : T:\Data1\MSD4\METHODS\2023\
Method File : Card-0223.M
Title : EPA 8270D - GC MSD4
Last Update : Thu Feb 23 09:42:39 2023
Response Via : Initial Calibration

Calibration Files
0.05=00701008.D 5 =00201003.D 2.5 =00301004.D 1 =00401005.D 0.5 =00501006.D 0.1 =00601007.D

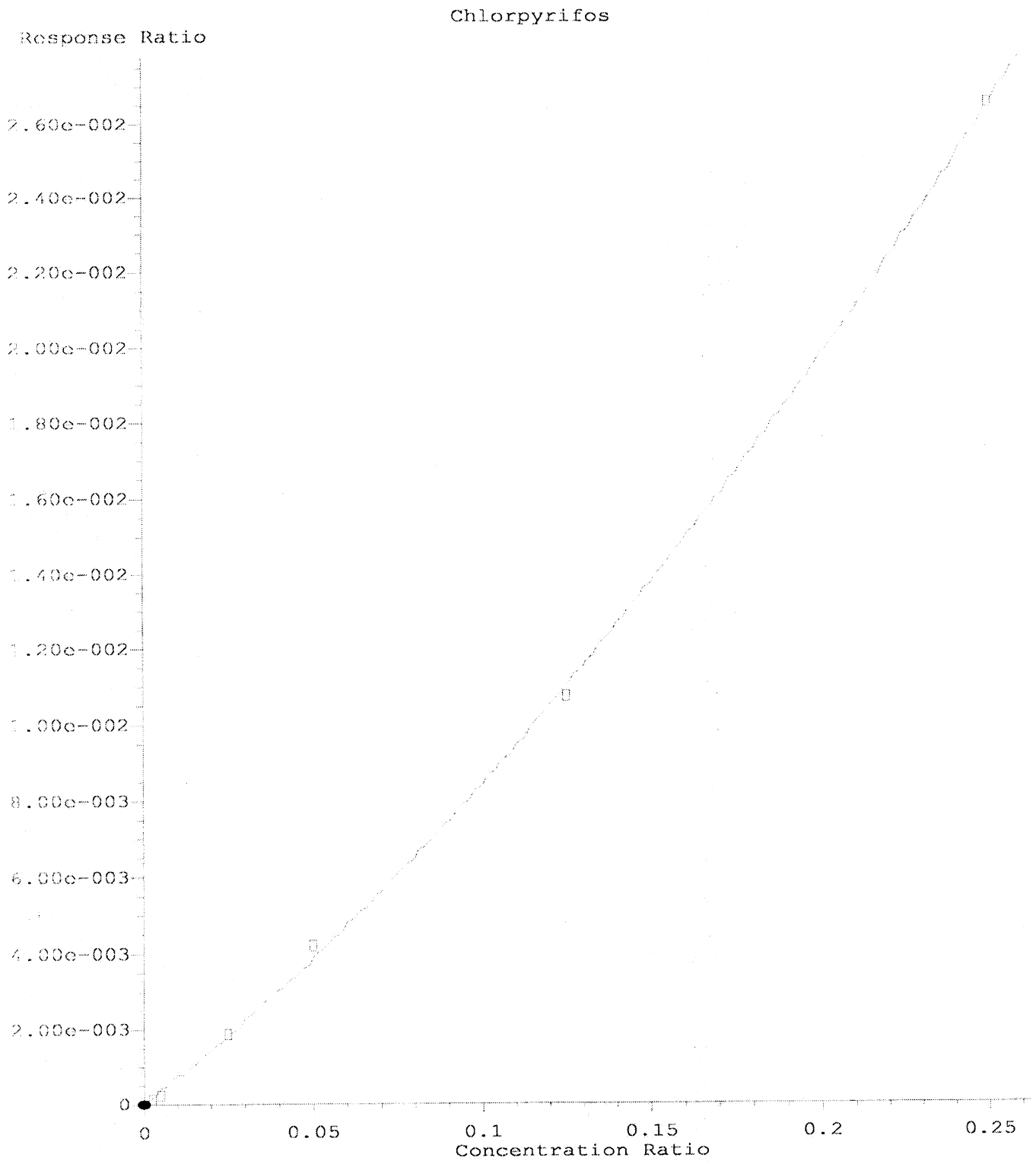
		Compound	0.05	5	2.5	1	0.5	0.1	Avg	%RSD
1)	I	Dichlorobenzene-d5	ISTD							
2)	S	2-Fluorobiphenyl	1.685	1.642	1.688	1.656	1.654	1.685	1.668	1.19
3)	I	Acenaphthene-d10	ISTD							
4)		Atrazine	0.144	0.312	0.238	0.214	0.182	0.117	0.201	34.80
5)	I	Phenanthrene-d10	ISTD							
6)		Metolachlor	0.221	0.509	0.387	0.338	0.271	0.178	0.317	38.10
7)		Chlorpyrifos	0.056	0.106	0.086	0.084	0.075	0.049	0.076	27.93
8)	I	Chrysene-d12	ISTD							
9)	S	Terphenyl-d14	0.756	0.802	0.898	0.768	0.783	0.834	0.807	6.50

(#) = Out of Range

R = 5.63e-001 A*A + 1.71e-001 A + 0.00e+000
Coef of Det (r^2) = 0.999 Curve Fit: Quad w(1/a)/(0,0)
Method Name: T:\Data1\MSD4\METHODS\2023\Card-0223.M
Calibration Table Last Updated: Thu Feb 23 09:42:39 2023



R = 9.83e-001 A*A + 2.64e-001 A + 0.00e+000
Coef of Det (r^2) = 0.999 Curve Fit: Quad w(1/a)/(0,0)
Method Name: T:\Data1\MSD4\METHODS\2023\Card-0223.M
Calibration Table Last Updated: Thu Feb 23 09:42:39 2023



R = 1.43e-001 A*A + 7.03e-002 A + 0.00e+000
Coef of Det (r^2) = 0.999 Curve Fit: Quad w(1/a)/(0,0)
Method Name: T:\Data1\MSD4\METHODS\2023\Card-0223.M
Calibration Table Last Updated: Thu Feb 23 09:42:39 2023

PREPARATION BENCH SHEET
Organics

BDB0425

Matrix: Water

Prepared using: SVOC - SVOC Water

Analyses
SVOC 625 MISC

Spiking Solution(s)
2201385 Cardno Spk 100

Surrogate Solution(s)
2201008 CLP Acid Surr 2000
2202928 CLP B/N 1000

Analysis	Lab Number	Sample and Source ID	Date Due	Extract by	Prepared - By	Initial (mL)	Final (mL)	ul Spike	ul Surrogate	Extraction Comments
QC	BDB0425-BLK1	Blank			1/30/23 0:40 MAH	1000	1		25	
QC	BDB0425-BS1	LCS			1/30/23 0:40 MAH	1000	1	50	25	
QC	BDB0425-BSD1	LCS Dup			1/30/23 0:40 MAH	1000	1	50	25	
SVOC 625 MISC	WDA1107-14	WW-3	02/07/2023	01/30/2023	1/30/23 0:40 MAH	1000	1		25	
SVOC 625 MISC	WDA1107-15	E-2	02/07/2023	01/30/2023	1/30/23 0:40 MAH	1000	1		25	
SVOC 625 MISC	WDA1107-16	E-1	02/07/2023	01/30/2023	1/30/23 0:40 MAH	1000	1		25	Analyzed 2/22/23 due to lab error
SVOC 625 MISC	WDA1107-17	E-1 DUP	02/07/2023	01/30/2023	1/30/23 0:40 MAH	1000	1		25	

Reagents

Standard	Description	LotNum
2000154	Acetone - GC grade	59074
2000155	H2SO4	58115
2200634	Dichloromethane	SHBP1472
2201798	CLP I.S. Spike 2000	042121

Batch Comments:
Acidic start/stop time: 3PM- 8AM
Basic start/stop tiime: 8AM-3PM
Instrument: 7890/5975 GCMS
Ext. Method: 3520C liq-liq/Waste Dilution/Microextr
TurboVap: 01
Balance: 04

MM
Analyst:

Date

2-13-23
Run Date:

Date

C:\Promium\Element\Print\bch_Organics_ls.rpt

Internal Standard ICal Average Responses	022223 CARDNO
	(method)

	1,4 Dichlorobenzene-d4	Naphthalene-d8	Acenaphthene-d10	Phenanthrene-d10	Chrysene-d12	Perylene-d12
0.05	21065539.4		25655748.95	44045119.54	31773233.97	
5	26050900.67		30217542.5	48709375.9	32525234.98	
2.5	24739232.6		29817282.81	47462447.75	27061507.09	
1	24644487.52		28868877.25	46873881.53	33962530.71	
0.5	24367970.81		28918877.44	47329502.89	34261285.6	
0.1	23322077.88		27786418.19	44448094.01	28862661.94	
Average	24031701	#DIV/0!	28544125	46478070	31407742	#DIV/0!
50%	12015851	#DIV/0!	14272062	23239035	15703871	#DIV/0!
150%	36047552	#DIV/0!	42816187	69717105	47111614	#DIV/0!

Analyst: MH

DFTPP

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00102002.D
Acq On : 22 Feb 2023 2:01 pm
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

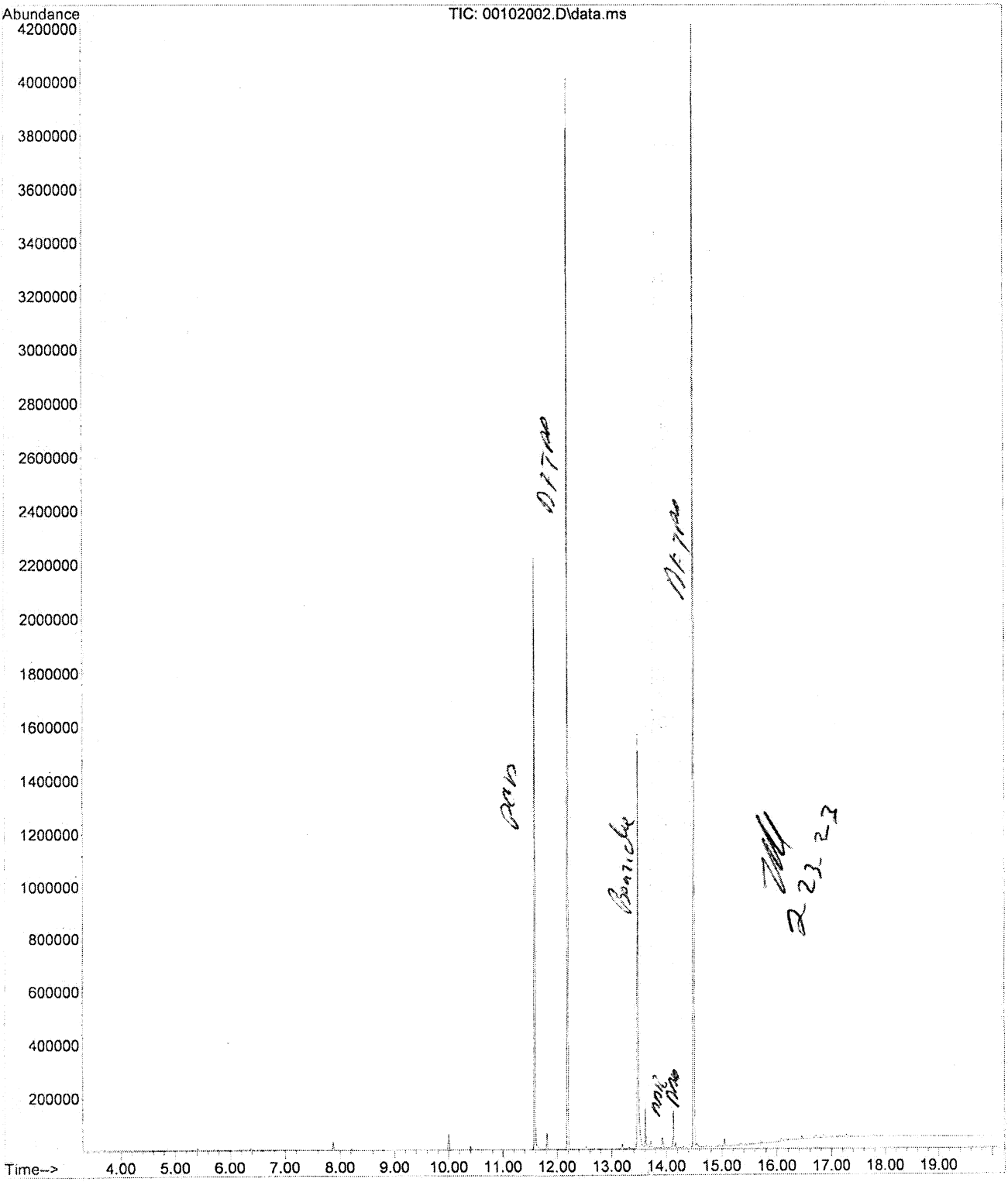
Method : T:\Data1\MSD4\METHODS\2023\Card-0222.M
Title : EPA 8270D - GC MSD4
Last Update : Wed Feb 22 15:57:07 2023

AutoFind: Scans 1931, 1932, 1933; Background Corrected with Scan 1923

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.3	112037	PASS
68	69	0.00	2	1.8	2022	PASS
69	198	0.00	100	33.9	114173	PASS
70	69	0.00	2	0.6	670	PASS
127	198	25	75	48.1	161957	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	336661	PASS
199	198	5	9	6.7	22723	PASS
275	198	10	60	32.1	108104	PASS
365	198	0.00	100	5.5	18503	PASS
441	443	0.01	100	73.4	77469	PASS
442	198	39	200	156.0	525291	PASS
443	442	15	24	20.1	105579	PASS

Card-0222.M Thu Feb 23 09:07:32 2023

File :T:\Data1\MSD4\2023\FEB\22CARD\00102002.D
Operator : MAH
Acquired : 22 Feb 2023 2:01 pm using AcqMethod SVOCT1.M
Instrument : MSD4
Sample Name: SYS
Misc Info :
Vial Number: 1



Area Percent Report

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00102002.D
Acq On : 22 Feb 2023 2:01 pm
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration Parameters: autoint1.e
Integrator: ChemStation

Method : T:\Data1\MSD4\METHODS\2023\BNA-0220.M
Title : EPA 8270D / EPA 625.1 - MSD4

Signal : TIC: 00102002.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total	
1	13.716	2257	2261	2266	M5	22982	225259	0.52%	0.506%	DDE
2	14.126	2345	2350	2354	M	138771	1262687	2.93%	2.836%	DDD
3	14.495	2421	2430	2439	M	4249663	43031284	100.00%	96.658%	DDT

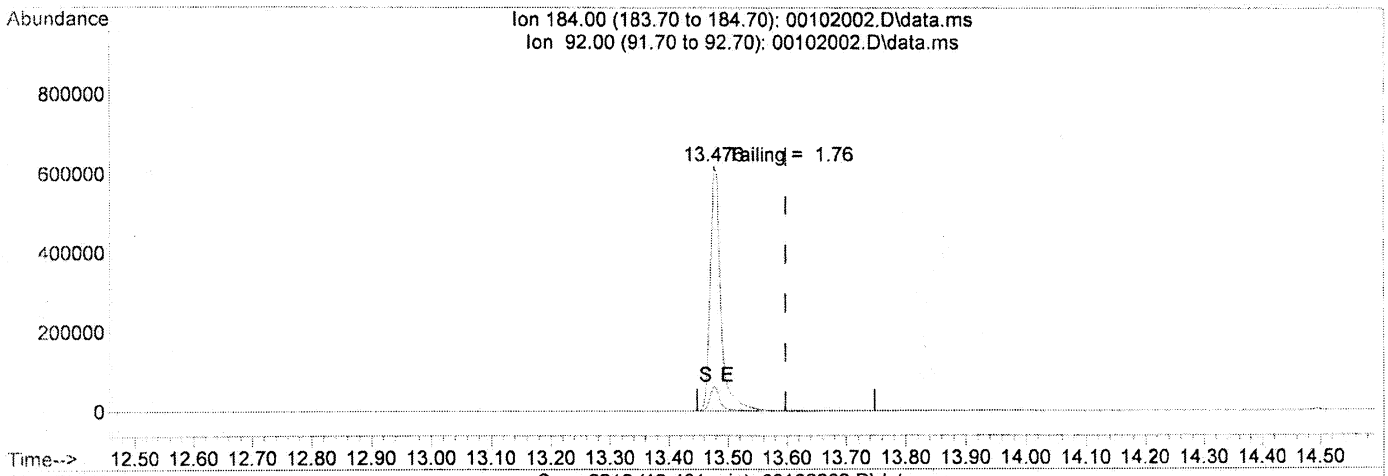
Sum of corrected areas: 44519231

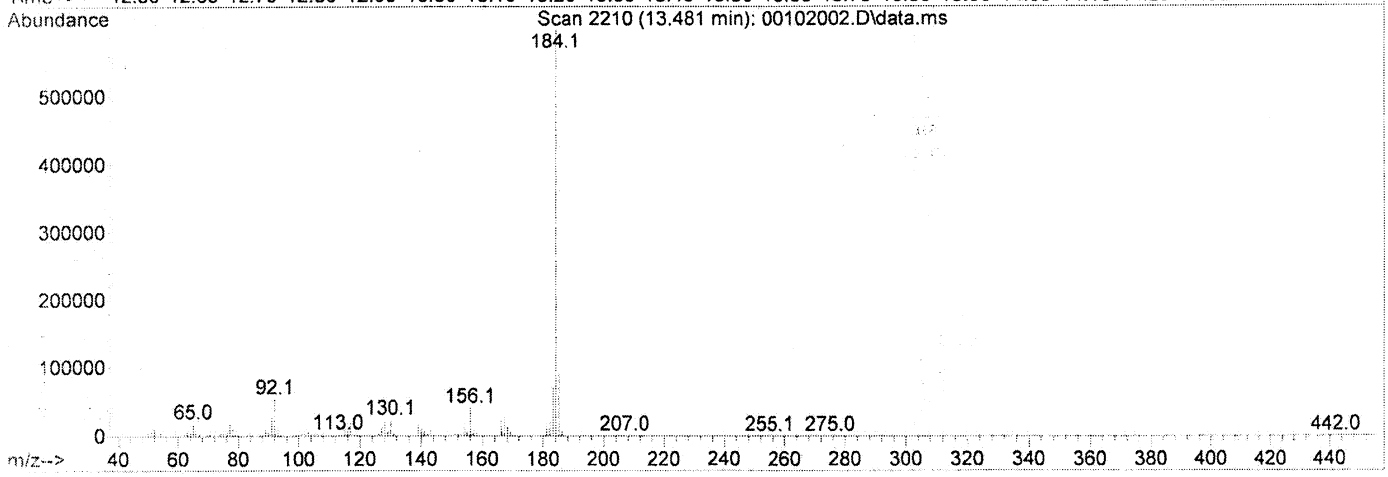
BNA-0220.M Thu Feb 23 12:59:28 2023

Quantitation Report (Qedit)

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00102002.D
Acq On : 22 Feb 2023 2:01 pm
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 12:51:37 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\BNA-0220.M
Quant Title : EPA 8270D / EPA 625.1 - MSD4
QLast Update : Tue Feb 21 11:15:39 2023
Response via : Initial Calibration





TIC: 00102002.D\data.ms

(74) Benzidine

13.480min (-0.118) 0.00 ug/mL

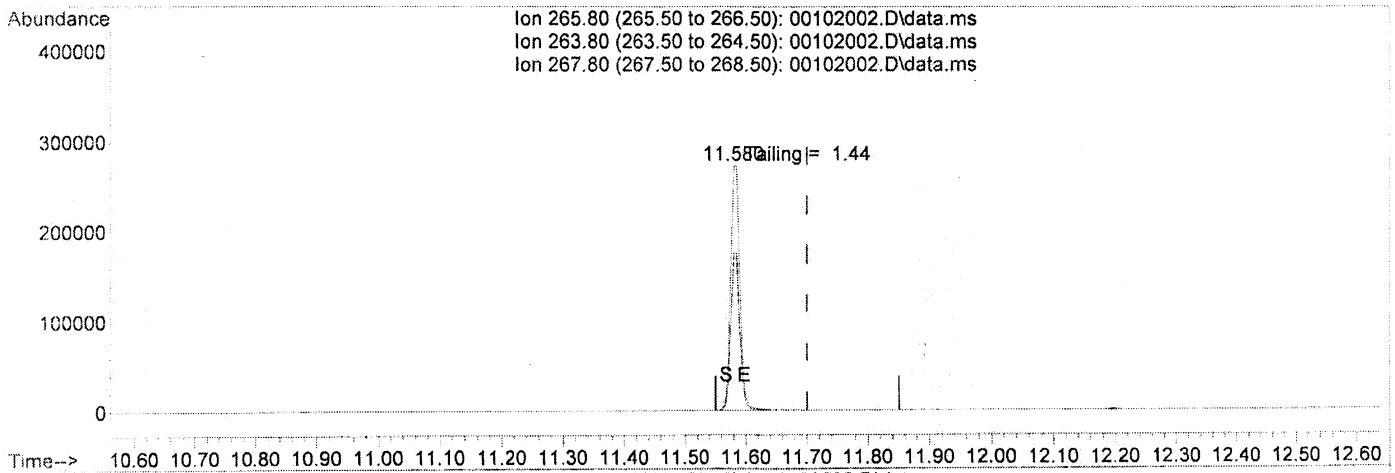
response 7349154

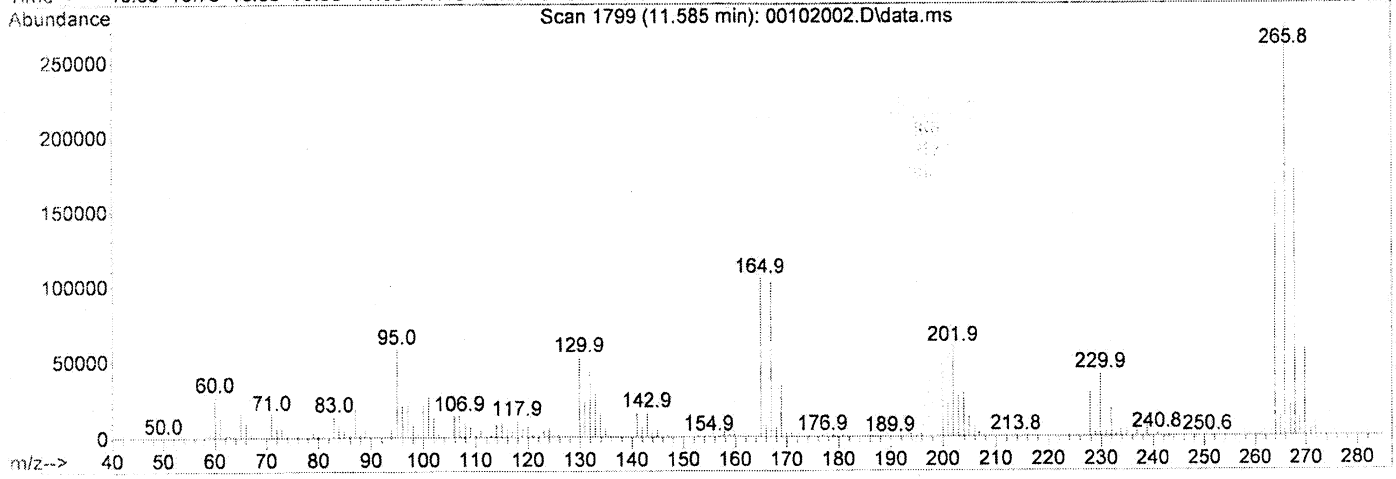
Ion	Exp%	Act%
184.00	100.00	100.00
92.00	10.60	9.98
0.00	0.00	0.00
0.00	0.00	0.00

BNA-0220.M Thu Feb 23 12:52:44 2023

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00102002.D
Acq On : 22 Feb 2023 2:01 pm
Operator : MAH
Sample : SYS
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 23 12:51:37 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\BNA-0220.M
Quant Title : EPA 8270D / EPA 625.1 - MSD4
QLast Update : Tue Feb 21 11:15:39 2023
Response via : Initial Calibration





TIC: 00102002.D\data.ms

(68) Pentachlorophenol

11.585min (-0.116) 0.00 ug/mL

response 2824654

Ion	Exp%	Act%
265.80	100.00	100.00
263.80	60.40	62.48
267.80	62.30	64.23
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00201003.D
Acq On : 22 Feb 2023 2:29 pm
Operator : MAH
Sample : CARDNO 5 PPM
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 23 12:15:33 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\Card-0223.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Thu Feb 23 09:42:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.394	150	26051042	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.004	164	30215599	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.823	188	48905094	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.059	240	32344004	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.191	172	53465711	24.61	ug/mL	0.00
9) Terphenyl-d14	13.790	244	32593072	24.98	ug/mL	0.00
Spiked Amount 25.000			Recovery =	99.92%		
Target Compounds						Qvalue
4) Atrazine	11.494	200	2360163	5.01	ug/mL	97
6) Metolachlor	12.685	162	6198670	4.98	ug/mL	99
7) Chlorpyrifos	12.690	197	1304017	5.03	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00301004.D
Acq On : 22 Feb 2023 2:56 pm
Operator : MAH
Sample : CARDNO 2.5 PPM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 23 12:14:18 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\Card-0223.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Thu Feb 23 09:42:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.393	150	24739233	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.003	164	29817283	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	11.822	188	47462448	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.057	240	27061507	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.190	172	52184530	25.29	ug/mL		0.00
9) Terphenyl-d14	13.792	244	30388764	27.83	ug/mL		0.00
Spiked Amount 25.000			Recovery =	111.32%			
Target Compounds							Qvalue
4) Atrazine	11.491	200	887666	2.47	ug/mL		98
6) Metolachlor	12.682	162	2293811	2.50	ug/mL		99
7) Chlorpyrifos	12.692	197	509402	2.45	ug/mL		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00401005.D
Acq On : 22 Feb 2023 3:24 pm
Operator : MAH
Sample : CARDNO 1 PPM
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 23 09:47:03 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\Card-0223.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Thu Feb 23 09:42:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.394	150	24644488	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.003	164	28868877	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.822	188	46873882	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.060	240	33962531	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.191	172	51009909	24.82	ug/mL	0.00
9) Terphenyl-d14	13.790	244	32619924	23.81	ug/mL	0.00
Spiked Amount 25.000			Recovery =	95.24%		
Target Compounds						Qvalue
4) Atrazine	11.490	200	309149	1.07	ug/mL	97
6) Metolachlor	12.685	162	791905	1.07	ug/mL	98
7) Chlorpyrifos	12.690	197	196947	1.08	ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00501006.D
Acq On : 22 Feb 2023 3:52 pm
Operator : MAH
Sample : CARDNO 0.5 PPM
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 23 09:46:25 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\Card-0223.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Thu Feb 23 09:42:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.395	150	24367971	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.004	164	28918877	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.823	188	47329503	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.060	240	34261286	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.191	172	50379256	24.79	ug/mL	0.00
9) Terphenyl-d14	13.791	244	33528904	24.26	ug/mL	0.00
Spiked Amount 25.000			Recovery =	97.04%		
Target Compounds						Qvalue
4) Atrazine	11.491	200	131857	0.49	ug/mL	97
6) Metolachlor	12.683	162	331403m	0.49	ug/mL	
7) Chlorpyrifos	12.690	197	88437	0.51	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00601007.D
Acq On : 22 Feb 2023 4:19 pm
Operator : MAH
Sample : CARDNO 0.1 PPM
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 23 09:45:20 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\Card-0223.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Thu Feb 23 09:42:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.393	150	23322078	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.003	164	27786418	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	11.823	188	44448094	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.058	240	28862662	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.190	172	49111124	25.25	ug/mL		0.00
9) Terphenyl-d14	13.792	244	30088220	25.84	ug/mL		0.00
Spiked Amount 25.000			Recovery =	103.36%			
Target Compounds							Qvalue
4) Atrazine	11.488	200	16266	0.07	ug/mL	#	33
6) Metolachlor	12.680	162	39480	0.07	ug/mL	#	29
7) Chlorpyrifos	12.686	197	11073m	0.07	ug/mL		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00701008.D
Acq On : 22 Feb 2023 4:47 pm
Operator : MAH
Sample : CARDNO 0.05 PPM
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 23 09:44:22 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\Card-0223.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Thu Feb 23 09:42:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.395	150	21065539	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.003	164	25655749	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	11.823	188	44045120	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.059	240	31773234	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.191	172	44360906	25.25	ug/mL		0.00
9) Terphenyl-d14	13.790	244	30037337	23.43	ug/mL		0.00
Spiked Amount 25.000			Recovery =	93.72%			
Target Compounds							Qvalue
4) Atrazine	11.488	200	9221	0.04	ug/mL	#	33
6) Metolachlor	12.681	162	23562	0.04	ug/mL	#	29
7) Chlorpyrifos	12.683	197	6278m	0.04	ug/mL		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00801009.D
Acq On : 22 Feb 2023 5:15 pm
Operator : MAH
Sample : BDB0425-BLK1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 23 12:17:23 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\Card-0223.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Thu Feb 23 09:42:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Dichlorobenzene-d5	6.393	150	19058924	20.00	ug/mL		0.00
3) Acenaphthene-d10	10.003	164	25103665	20.00	ug/mL	#	0.00
5) Phenanthrene-d10	11.820	188	37412827	20.00	ug/mL	#	0.00
8) Chrysene-d12	15.056	240	20955787	20.00	ug/mL	#	0.00
System Monitoring Compounds							
2) 2-Fluorobiphenyl	9.189	172	37455837	23.56	ug/mL		0.00
9) Terphenyl-d14	13.791	244	20173761	23.86	ug/mL		0.00
Spiked Amount 25.000			Recovery =	95.44%			
Target Compounds							Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\Data1\MSD4\2023\FEB\22CARD\
Data File : 00901010.D
Acq On : 22 Feb 2023 5:42 pm
Operator : MAH
Sample : WDA1107-16
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 23 12:19:47 2023
Quant Method : T:\Data1\MSD4\METHODS\2023\Card-0223.M
Quant Title : EPA 8270D - GC MSD4
QLast Update : Thu Feb 23 09:42:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Dichlorobenzene-d5	6.394	150	19154492	20.00	ug/mL	0.00
3) Acenaphthene-d10	10.002	164	25833282	20.00	ug/mL	# 0.00
5) Phenanthrene-d10	11.820	188	41411950	20.00	ug/mL	# 0.00
8) Chrysene-d12	15.056	240	22468960	20.00	ug/mL	# 0.00
System Monitoring Compounds						
2) 2-Fluorobiphenyl	9.188	172	36005169	22.54	ug/mL	0.00
9) Terphenyl-d14	13.791	244	22001683	24.27	ug/mL	0.00
Spiked Amount 25.000			Recovery =	97.08%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

PREPARATION BENCH SHEET
Metals

BDB0012

Matrix: Water **Prepared using: Metals - W 3010 Digest**

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
BDB0012-BLK1	02/01/23 10:33 - JLG	50	50				
BDB0012-BS1	02/01/23 10:33 - JLG	50	50	2300158		250	
BDB0012-MS1	02/01/23 10:33 - JLG	50	50	2300158	WDA1107-14	250	
BDB0012-MS2	02/01/23 10:33 - JLG	50	50	2300158	WDA1107-16	250	
BDB0012-MSD1	02/01/23 10:33 - JLG	50	50	2300158	WDA1107-14	250	
BDB0012-MSD2	02/01/23 10:33 - JLG	50	50	2300158	WDA1107-16	250	
WDA1107-01 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-02 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-03 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-04 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-05 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-06 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-07 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-08 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-09 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-10 Analytes: Arsenic	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			

Batch Prepared By _____ Date _____ Analytical Run Date _____

PREPARATION BENCH SHEET
Metals

BDB0012

(Continued)

Matrix: Water

Prepared using: Metals - W 3010 Digest

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WDA1107-11	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
Analytes: Arsenic							
WDA1107-12	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
Analytes: Arsenic							
WDA1107-13	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
Analytes: Arsenic							
WDA1107-14	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
Analytes: Arsenic							
WDA1107-15	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
Analytes: Arsenic							
WDA1107-16	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
Analytes: Arsenic							
WDA1107-17	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
Analytes: Arsenic							
WDA1107-18	02/01/23 10:33 - JLG	50	50	Client: Cardno - Hawaii			
Analytes: Arsenic							

Support Equipment: W PT-21, W PT-27 BLK1B W PT-04 W PT-33

Reagent ID	Description	LotNum
2003793	Metals UHP Helium	314SPO0620A
2202259	P. Metals Digestion Vials P	052722
2204000	Nitric Acid	62286
2300051	C. 10 ppb Tune Solution	-
2300138	C. Internal Standard Mix	-
2300157	P. 1:1 HCl-metals	59072

Batch Prepared By _____ Date _____ Analytical Run Date _____

PREPARATION BENCH SHEET
Metals

BDB0061

Matrix: Water **Prepared using: Metals - W 245.1 Digest**

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
BDB0061-BLK1	02/02/23 12:38 - JLG	50	50				
BDB0061-BS1	02/02/23 12:38 - JLG	50	50	2204254		100	
BDB0061-MS1	02/02/23 12:38 - JLG	10	50	2204254	WDA1107-14	100	[Spk] 10mL->50mL; 50mL->50mL; Spiked 50mL
BDB0061-MS2	02/02/23 12:38 - JLG	50	50	2204254	WDA1107-16	100	
BDB0061-MSD1	02/02/23 12:38 - JLG	10	50	2204254	WDA1107-14	100	[Spk] 10mL->50mL; 50mL->50mL; Spiked 50mL
BDB0061-MSD2	02/02/23 12:38 - JLG	50	50	2204254	WDA1107-16	100	
WDA1107-01 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-02 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-03 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-04 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-05 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-06 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-07 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-08 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-09 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-10 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			

Batch Prepared By _____ Date _____ Analytical Run Date _____

C:\Promium\Element\Print\bch_Metals_ls.rpt

PREPARATION BENCH SHEET
Metals

BDB0061

(Continued)

Matrix: Water **Prepared using: Metals - W 245.1 Digest**

Lab Number	Prepared - By	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
WDA1107-11 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-12 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-13 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-14 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-15 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-16 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-17 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1107-18 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Cardno - Hawaii			
WDA1181-01 Analytes: Mercury	02/02/23 12:38 - JLG	50	50	Client: Deming Industries, Inc.			

Support Equipment: W PT-04 W PT-33 W PT-21, W PT-27 BLK 2A

Batch Comments: Forgot to spike the MS/MSD pre. They were post spiked and ran. Not enough sample to redo. There was LCS that was digested and ran with the samples.

Reagent ID	Description	LotNum
2200419	Hg. Tin(II) chloride	-
2202259	P. Metals Digestion Vials P	052722
2203399	Hg. 5% Potassium Persulfate	-
2204187	Hg. 5% Potassium Permangar	-
2204243	Hg. Hydroxlamine Hydrochlori	-

Batch Prepared By _____ Date _____ Analytical Run Date _____

Sample Report

Sample Name	BDB0012-BLK1
File Name	034_Blk.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:14:11
Sample Type	Blank
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.088	No Gas	0.088	6	0.9	0.5	
9	Be	0.003	No Gas	0.003	6	75.5	0.05	
11	B	4.521	No Gas	4.521	45	2.8	1.69	>DL*2.2
27	Al	1.578	No Gas	1.578	45	2.1	1.57	
27	Al	1.564	He	1.564	45	10.0	1.57	
47	Ti	0.042	He	0.042	45	69.3	0.23	
51	V	0.103	He	0.103	45	3.6	0.28	
52	Cr	0.017	He	0.017	45	16.2	0.04	
53	Cr	0.417	He	0.417	45	2.4	0.04	>DL*2.2
55	Mn	0.310	No Gas	0.31	72	3.6	0.05	>DL*2.2
55	Mn	0.197	He	0.197	72	2.1	0.05	>DL*2.2
56	Fe	2.044	He	2.044	72	2.1	1.59	
56	Fe	2.171	HEHe	2.171	72	2.0	1.59	
57	Fe	2.827	He	2.827	72	6.6	1.59	
59	Co	0.003	He	0.003	72	23.6	0.02	
60	Ni	<0.000	He	-0.053	72	2.4	0.08	
62	Ni	0.359	He	0.359	72	3.4	0.08	>DL*2.2
65	Cu	0.003	He	0.003	72	4.9	0.03	
66	Zn	0.352	He	0.352	72	13.4	0.3	
75	As	0.054	He	0.054	72	7.1	0.06	
78	Se	0.091	He	0.091	72	14.5	0.17	
82	Se	<0.000	He	-0.199	72	21.1	0.17	
88	Sr	0.001	No Gas	0.001	72	2.6	0.02	
88	Sr	<0.000	He	-0.004	72	41.8	0.02	
95	Mo	0.028	No Gas	0.028	103	13.2	0.05	
95	Mo	0.076	He	0.076	103	18.1	0.05	
98	Mo	0.034	No Gas	0.034	103	23.0	0.05	
98	Mo	0.051	He	0.051	103	36.7	0.05	
107	Ag	0.061	No Gas	0.061	103	38.3	0.03	
107	Ag	0.200	He	0.2	103	22.4	0.03	>DL*2.2
109	Ag	0.071	No Gas	0.071	103	34.4	0.03	>DL*2.2
109	Ag	0.198	He	0.198	103	20.9	0.03	>DL*2.2
111	Cd	<0.000	No Gas	-0.003	103	198.1	0.01	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	0.003	He	0.003	103	0.0	0.01	
114	Cd	0.007	No Gas	0.007	103	54.3	0.01	
114	Cd	0.004	He	0.004	103	25.6	0.01	
118	Sn	0.043	No Gas	0.043	103	2.3	0.04	
118	Sn	0.069	He	0.069	103	2.2	0.04	
123	Sb	0.592	No Gas	0.592	165	6.7	0.05	>DL*2.2
123	Sb	0.832	He	0.832	165	2.5	0.05	>DL*2.2
137	Ba	0.023	No Gas	0.023	165	23.7	0.05	
137	Ba	0.018	He	0.018	165	18.4	0.05	
201	Hg	0.002	No Gas	0.002	165	9.5	0.01	
201	Hg	0.016	He	0.016	165	2.9	0.01	
202	Hg	0.009	No Gas	0.009	165	2.6	0.01	
202	Hg	0.020	He	0.02	165	4.8	0.01	
205	Tl	0.007	No Gas	0.007	165	11.3	0.05	
205	Tl	0.004	He	0.004	165	3.5	0.05	
208	Pb	0.007	No Gas	0.007	165	23.0	0.04	
208	Pb	0.004	He	0.004	165	11.3	0.04	
238	U	0.010	No Gas	0.01	165	1.7	0.05	
238	U	<0.000	He	0	165	2.1	0.05	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1721620.56	2.6	104.6	1645377.75666667
Sc	45	No Gas	2696299.83	0.6	111.6	2415232.75
Sc	45	He	262034.51	0.1	111.0	236007.256666667
Ge	72	No Gas	1018358.33	3.4	108.2	940983.42
Ge	72	He	257346.73	1.6	108.5	237261.346666667
Ge	72	HEHe	117491.56	1.5	108.4	108366.613333333
Rh	103	No Gas	3173166.42	1.7	102.6	3091750.66666667
Rh	103	He	2216001.83	1.1	105.0	2111209.43
Ho	165	No Gas	939104.17	0.2	98.6	952522.413333333
Ho	165	He	672662.09	1.8	99.2	677797.106666667

Sample Report

Sample Name	BDB0012-BLK2
File Name	035_Blk.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:17:33
Sample Type	Blank
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	<0.000	No Gas	-0.034	6	0.7	0.5	
9	Be	0.001	No Gas	0.001	6	34.7	0.05	
11	B	4.873	No Gas	4.873	45	4.5	1.69	>DL*2.2
27	Al	1.571	No Gas	1.571	45	1.4	1.57	
27	Al	1.803	He	1.803	45	2.7	1.57	
47	Ti	0.075	He	0.075	45	94.4	0.23	
51	V	0.160	He	0.16	45	4.6	0.28	
52	Cr	0.028	He	0.028	45	20.4	0.04	
53	Cr	0.519	He	0.519	45	13.0	0.04	>DL*2.2
55	Mn	0.198	No Gas	0.198	72	3.3	0.05	>DL*2.2
55	Mn	0.125	He	0.125	72	12.0	0.05	>DL*2.2
56	Fe	0.631	He	0.631	72	1.9	1.59	
56	Fe	0.865	HEHe	0.865	72	3.0	1.59	
57	Fe	0.620	He	0.62	72	8.9	1.59	
59	Co	0.002	He	0.002	72	0.0	0.02	
60	Ni	<0.000	He	-0.118	72	2.1	0.08	
62	Ni	0.026	He	0.026	72	12.1	0.08	
65	Cu	0.054	He	0.054	72	6.8	0.03	
66	Zn	<0.000	He	-0.134	72	16.8	0.3	
75	As	0.107	He	0.107	72	8.2	0.06	
78	Se	0.554	He	0.554	72	11.6	0.17	>DL*2.2
82	Se	<0.000	He	-0.094	72	2.7	0.17	
88	Sr	<0.000	No Gas	-0.001	72	17.1	0.02	
88	Sr	<0.000	He	-0.006	72	43.3	0.02	
95	Mo	0.014	No Gas	0.014	103	9.4	0.05	
95	Mo	0.016	He	0.016	103	34.7	0.05	
98	Mo	0.017	No Gas	0.017	103	41.2	0.05	
98	Mo	0.015	He	0.015	103	4.9	0.05	
107	Ag	0.070	No Gas	0.07	103	33.5	0.03	>DL*2.2
107	Ag	0.196	He	0.196	103	33.9	0.03	>DL*2.2
109	Ag	0.073	No Gas	0.073	103	38.5	0.03	>DL*2.2
109	Ag	0.195	He	0.195	103	28.0	0.03	>DL*2.2
111	Cd	<0.000	No Gas	-0.001	103	437.7	0.01	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	0.002	He	0.002	103	69.3	0.01	
114	Cd	0.005	No Gas	0.005	103	13.5	0.01	
114	Cd	<0.000	He	0	103	27.5	0.01	
118	Sn	0.004	No Gas	0.004	103	1.9	0.04	
118	Sn	0.034	He	0.034	103	5.9	0.04	
123	Sb	0.685	No Gas	0.685	165	7.7	0.05	>DL*2.2
123	Sb	0.826	He	0.826	165	2.7	0.05	>DL*2.2
137	Ba	0.023	No Gas	0.023	165	7.7	0.05	
137	Ba	0.041	He	0.041	165	17.2	0.05	
201	Hg	<0.000	No Gas	-0.003	165	15.9	0.01	
201	Hg	0.008	He	0.008	165	9.2	0.01	
202	Hg	0.005	No Gas	0.005	165	7.7	0.01	
202	Hg	0.018	He	0.018	165	8.8	0.01	
205	Tl	0.003	No Gas	0.003	165	4.0	0.05	
205	Tl	0.002	He	0.002	165	31.8	0.05	
208	Pb	0.036	No Gas	0.036	165	4.0	0.04	
208	Pb	0.037	He	0.037	165	4.9	0.04	
238	U	0.005	No Gas	0.005	165	7.5	0.05	
238	U	<0.000	He	-0.001	165	9.6	0.05	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1712887.86	1.7	104.1	1645377.75666667
Sc	45	No Gas	2692516.42	1.3	111.5	2415232.75
Sc	45	He	257742.48	0.7	109.2	236007.256666667
Ge	72	No Gas	1033724.86	1.2	109.9	940983.42
Ge	72	He	256649.25	1.1	108.2	237261.346666667
Ge	72	HEHe	115046.96	1.2	106.2	108366.613333333
Rh	103	No Gas	3122303.25	1.7	101.0	3091750.66666667
Rh	103	He	2253456.02	1.9	106.7	2111209.43
Ho	165	No Gas	933136.48	0.7	98.0	952522.413333333
Ho	165	He	675404.28	1.7	99.6	677797.106666667

Sample Report

Sample Name	BDB0012-MRL1
File Name	036LICV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:20:57
Sample Type	LLICV
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.884	No Gas	0.884	6	0.5	1	
9	Be	1.046	No Gas	1.046	6	2.0	1	
11	B	2.231	No Gas	2.231	45	1.7	1	> +/- 50%
27	Al	2.829	No Gas	2.829	45	2.5	2	
27	Al	3.018	He	3.018	45	4.0	2	> +/- 50%
47	Ti	0.959	He	0.959	45	36.3	1	
51	V	1.055	He	1.055	45	3.5	1	
52	Cr	1.120	He	1.12	45	1.9	1	
53	Cr	1.034	He	1.034	45	6.9	1	
55	Mn	1.313	No Gas	1.313	72	1.9	1	
55	Mn	1.336	He	1.336	72	0.4	1	
56	Fe	2.275	He	2.275	72	4.4	2	
56	Fe	2.569	HEHe	2.569	72	2.7	2	
57	Fe	2.390	He	2.39	72	6.1	2	
59	Co	1.093	He	1.093	72	2.5	1	
60	Ni	0.975	He	0.975	72	4.7	1	
62	Ni	1.146	He	1.146	72	2.1	1	
65	Cu	1.247	He	1.247	72	1.8	1	
66	Zn	1.617	He	1.617	72	2.3	1	> +/- 50%
75	As	1.073	He	1.073	72	1.2	1	
78	Se	1.205	He	1.205	72	6.3	1	
82	Se	1.051	He	1.051	72	9.3	1	
88	Sr	1.022	No Gas	1.022	72	2.1	1	
88	Sr	1.046	He	1.046	72	2.8	1	
95	Mo	1.086	No Gas	1.086	103	1.9	1	
95	Mo	1.093	He	1.093	103	7.5	1	
98	Mo	1.096	No Gas	1.096	103	3.3	1	
98	Mo	1.091	He	1.091	103	3.1	1	
107	Ag	1.131	No Gas	1.131	103	3.4	1	
107	Ag	1.211	He	1.211	103	5.6	1	
109	Ag	1.098	No Gas	1.098	103	2.3	1	
109	Ag	1.218	He	1.218	103	4.1	1	
111	Cd	1.149	No Gas	1.149	103	10.8	1	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	1.115	He	1.115	103	1.6	1	
114	Cd	1.132	No Gas	1.132	103	6.2	1	
114	Cd	1.144	He	1.144	103	1.6	1	
118	Sn	1.108	No Gas	1.108	103	1.2	1	
118	Sn	1.204	He	1.204	103	4.8	1	
123	Sb	1.516	No Gas	1.516	165	6.1	1	> +/- 50%
123	Sb	1.649	He	1.649	165	2.3	1	> +/- 50%
137	Ba	1.186	No Gas	1.186	165	2.2	1	
137	Ba	1.141	He	1.141	165	5.9	1	
201	Hg	0.043	No Gas	0.043	165	14.2	0.05	
201	Hg	0.036	He	0.036	165	4.7	0.05	
202	Hg	0.048	No Gas	0.048	165	2.9	0.05	
202	Hg	0.061	He	0.061	165	4.8	0.05	
205	Tl	1.062	No Gas	1.062	165	3.3	1	
205	Tl	1.111	He	1.111	165	3.2	1	
208	Pb	1.037	No Gas	1.037	165	1.3	1	
208	Pb	1.037	He	1.037	165	1.1	1	
238	U	1.001	No Gas	1.001	165	2.2	1	
238	U	1.030	He	1.03	165	1.1	1	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1800780.86	2.8	109.4	1645377.75666667
Sc	45	No Gas	2724942.67	1.2	112.8	2415232.75
Sc	45	He	263293.70	0.5	111.6	236007.256666667
Ge	72	No Gas	1063365.71	2.1	113.0	940983.42
Ge	72	He	263310.22	1.1	111.0	237261.346666667
Ge	72	HEHe	118056.78	0.9	108.9	108366.613333333
Rh	103	No Gas	3286416.33	2.5	106.3	3091750.66666667
Rh	103	He	2280493.94	1.6	108.0	2111209.43
Ho	165	No Gas	967432.40	0.7	101.6	952522.413333333
Ho	165	He	703887.04	0.7	103.8	677797.106666667

Sample Report

Sample Name	BDB0127-BS1
File Name	037_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:24:19
Sample Type	LCS
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	46.441	No Gas	46.441	6	1.1	50	
9	Be	48.312	No Gas	48.312	6	2.5	50	
11	B	51.020	No Gas	51.02	45	6.9	50	
27	Al	97.346	No Gas	97.346	45	3.6	100	
27	Al	98.249	He	98.249	45	2.2	100	
47	Ti	49.007	He	49.007	45	3.2	50	
51	V	49.660	He	49.66	45	0.8	50	
52	Cr	49.904	He	49.904	45	0.9	50	
53	Cr	50.457	He	50.457	45	3.7	50	
55	Mn	49.501	No Gas	49.501	72	1.8	50	
55	Mn	49.590	He	49.59	72	0.7	50	
56	Fe	99.617	He	99.617	72	0.8	100	
56	Fe	101.132	HEHe	101.132	72	0.7	100	
57	Fe	101.104	He	101.104	72	0.6	100	
59	Co	49.534	He	49.534	72	1.2	50	
60	Ni	50.275	He	50.275	72	0.7	50	
62	Ni	51.568	He	51.568	72	1.6	50	
65	Cu	50.174	He	50.174	72	1.0	50	
66	Zn	48.673	He	48.673	72	0.7	50	
75	As	49.314	He	49.314	72	1.3	50	
78	Se	49.836	He	49.836	72	3.4	50	
82	Se	50.623	He	50.623	72	1.8	50	
88	Sr	48.355	No Gas	48.355	72	2.1	50	
88	Sr	48.942	He	48.942	72	1.0	50	
95	Mo	52.978	No Gas	52.978	103	2.0	50	
95	Mo	52.600	He	52.6	103	0.4	50	
98	Mo	51.979	No Gas	51.979	103	1.9	50	
98	Mo	52.412	He	52.412	103	1.5	50	
107	Ag	50.387	No Gas	50.387	103	2.6	50	
107	Ag	49.928	He	49.928	103	0.1	50	
109	Ag	50.519	No Gas	50.519	103	2.1	50	
109	Ag	50.389	He	50.389	103	0.6	50	
111	Cd	50.709	No Gas	50.709	103	2.1	50	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	50.091	He	50.091	103	1.1	50	
114	Cd	50.569	No Gas	50.569	103	2.1	50	
114	Cd	49.990	He	49.99	103	0.6	50	
118	Sn	51.856	No Gas	51.856	103	2.2	50	
118	Sn	51.179	He	51.179	103	1.6	50	
123	Sb	62.787	No Gas	62.787	165	2.9	50	> +/- 10%
123	Sb	64.755	He	64.755	165	2.2	50	> +/- 10%
137	Ba	52.074	No Gas	52.074	165	2.5	50	
137	Ba	51.504	He	51.504	165	1.8	50	
201	Hg	2.174	No Gas	2.174	165	2.2	2.5	
201	Hg	2.120	He	2.12	165	2.5	2.5	> +/- 10%
202	Hg	2.099	No Gas	2.099	165	3.0	2.5	> +/- 10%
202	Hg	2.163	He	2.163	165	1.5	2.5	
205	Tl	48.120	No Gas	48.12	165	3.0	50	
205	Tl	49.442	He	49.442	165	0.9	50	
208	Pb	46.004	No Gas	46.004	165	1.7	50	
208	Pb	46.968	He	46.968	165	0.4	50	
238	U	45.188	No Gas	45.188	165	0.5	50	
238	U	47.300	He	47.3	165	0.9	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1738469.50	3.6	105.7	1645377.75666667
Sc	45	No Gas	2726017.92	1.9	112.9	2415232.75
Sc	45	He	260332.76	1.4	110.3	236007.256666667
Ge	72	No Gas	1018961.73	0.7	108.3	940983.42
Ge	72	He	258692.22	1.0	109.0	237261.346666667
Ge	72	HEHe	119376.95	1.4	110.2	108366.613333333
Rh	103	No Gas	3135328.00	2.4	101.4	3091750.66666667
Rh	103	He	2266581.37	1.5	107.4	2111209.43
Ho	165	No Gas	937704.98	0.8	98.4	952522.413333333
Ho	165	He	689928.93	0.5	101.8	677797.106666667

Sample Report

Sample Name	BDB0127-BS2
File Name	038_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:27:41
Sample Type	LCS
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	47.606	No Gas	47.606	6	2.6	50	
9	Be	50.176	No Gas	50.176	6	2.2	50	
11	B	53.910	No Gas	53.91	45	3.4	50	
27	Al	93.480	No Gas	93.48	45	2.5	100	
27	Al	96.229	He	96.229	45	1.2	100	
47	Ti	44.379	He	44.379	45	1.7	50	
51	V	50.869	He	50.869	45	0.5	50	
52	Cr	50.877	He	50.877	45	0.9	50	
53	Cr	51.236	He	51.236	45	2.1	50	
55	Mn	50.058	No Gas	50.058	72	1.4	50	
55	Mn	50.934	He	50.934	72	1.0	50	
56	Fe	95.863	He	95.863	72	1.1	100	
56	Fe	98.306	HEHe	98.306	72	0.6	100	
57	Fe	99.130	He	99.13	72	2.1	100	
59	Co	49.974	He	49.974	72	0.9	50	
60	Ni	50.899	He	50.899	72	2.3	50	
62	Ni	50.743	He	50.743	72	3.8	50	
65	Cu	49.988	He	49.988	72	0.6	50	
66	Zn	49.241	He	49.241	72	1.8	50	
75	As	50.220	He	50.22	72	0.9	50	
78	Se	51.670	He	51.67	72	3.7	50	
82	Se	53.114	He	53.114	72	6.6	50	
88	Sr	48.545	No Gas	48.545	72	2.2	50	
88	Sr	49.924	He	49.924	72	0.9	50	
95	Mo	46.792	No Gas	46.792	103	2.6	50	
95	Mo	48.111	He	48.111	103	1.4	50	
98	Mo	46.535	No Gas	46.535	103	2.2	50	
98	Mo	47.793	He	47.793	103	0.7	50	
107	Ag	51.061	No Gas	51.061	103	2.0	50	
107	Ag	51.346	He	51.346	103	0.8	50	
109	Ag	50.311	No Gas	50.311	103	2.6	50	
109	Ag	51.325	He	51.325	103	0.7	50	
111	Cd	51.216	No Gas	51.216	103	3.0	50	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	51.848	He	51.848	103	0.7	50	
114	Cd	51.374	No Gas	51.374	103	2.0	50	
114	Cd	51.329	He	51.329	103	0.2	50	
118	Sn	46.102	No Gas	46.102	103	1.7	50	
118	Sn	46.991	He	46.991	103	0.7	50	
123	Sb	55.455	No Gas	55.455	165	1.0	50	
123	Sb	58.618	He	58.618	165	1.3	50	> +/- 10%
137	Ba	51.678	No Gas	51.678	165	2.0	50	
137	Ba	52.530	He	52.53	165	1.0	50	
201	Hg	2.197	No Gas	2.197	165	2.5	2.5	
201	Hg	2.272	He	2.272	165	2.0	2.5	
202	Hg	2.223	No Gas	2.223	165	3.0	2.5	
202	Hg	2.325	He	2.325	165	2.2	2.5	
205	Tl	49.181	No Gas	49.181	165	5.2	50	
205	Tl	51.436	He	51.436	165	1.4	50	
208	Pb	47.319	No Gas	47.319	165	3.1	50	
208	Pb	48.652	He	48.652	165	1.3	50	
238	U	46.965	No Gas	46.965	165	2.4	50	
238	U	49.128	He	49.128	165	0.9	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1735946.45	0.6	105.5	1645377.75666667
Sc	45	No Gas	2761176.17	5.2	114.3	2415232.75
Sc	45	He	257429.29	0.1	109.1	236007.256666667
Ge	72	No Gas	1031698.73	0.8	109.6	940983.42
Ge	72	He	258216.25	1.3	108.8	237261.346666667
Ge	72	HEHe	118357.79	1.4	109.2	108366.613333333
Rh	103	No Gas	3159528.42	3.0	102.2	3091750.66666667
Rh	103	He	2209558.31	1.6	104.7	2111209.43
Ho	165	No Gas	959566.88	0.5	100.7	952522.413333333
Ho	165	He	682264.64	1.0	100.7	677797.106666667

Sample Report

Sample Name	WDA1107-01
File Name	039SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:31:01
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.499	He	1.499	72	4.8	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	2745301.58	2.1	113.7	2415232.75
Sc	45	He	253655.96	1.3	107.5	236007.256666667
Ge	72	No Gas	1035106.54	2.5	110.0	940983.42
Ge	72	He	251630.82	0.7	106.1	237261.346666667
Ge	72	HEHe	117014.53	1.5	108.0	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-02
File Name	040SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:33:22
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.943	He	0.943	72	2.8	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	2822818.75	3.7	116.9	2415232.75
Sc	45	He	257988.42	0.5	109.3	236007.256666667
Ge	72	No Gas	1057684.31	1.6	112.4	940983.42
Ge	72	He	251821.81	1.9	106.1	237261.346666667
Ge	72	HEHe	116914.66	2.5	107.9	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-03
File Name	041SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:35:40
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	12.333	He	12.333	72	1.9	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	2464481.33	1.7	102.0	2415232.75
Sc	45	He	244075.69	1.0	103.4	236007.256666667
Ge	72	No Gas	853036.19	0.6	90.7	940983.42
Ge	72	He	225397.43	1.0	95.0	237261.346666667
Ge	72	HEHe	97114.48	0.3	89.6	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-04
File Name	042SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:37:58
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.349	He	1.349	72	4.5	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3172872.33	1.7	131.4	2415232.75
Sc	45	He	295085.13	0.6	125.0	236007.256666667
Ge	72	No Gas	1122922.92	1.1	119.3	940983.42
Ge	72	He	285508.95	0.6	120.3	237261.346666667
Ge	72	HEHe	124492.29	0.5	114.9	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-05
File Name	043SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:40:19
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	2.051	He	2.051	72	6.4	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3241818.92	2.4	134.2	2415232.75
Sc	45	He	308057.44	0.1	130.5	236007.256666667
Ge	72	No Gas	1123517.00	1.1	119.4	940983.42
Ge	72	He	289194.35	0.3	121.9	237261.346666667
Ge	72	HEHe	125617.91	0.8	115.9	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-06
File Name	044SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:42:37
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.568	He	1.568	72	5.6	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3248915.83	2.6	134.5	2415232.75
Sc	45	He	306252.26	0.6	129.8	236007.256666667
Ge	72	No Gas	1167364.33	1.9	124.1	940983.42
Ge	72	He	293217.99	0.5	123.6	237261.34666667
Ge	72	HEHe	130675.52	1.7	120.6	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-07
File Name	045SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:44:55
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	2.153	He	2.153	72	2.4	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3117076.17	0.9	129.1	2415232.75
Sc	45	He	300532.11	0.9	127.3	236007.256666667
Ge	72	No Gas	1118260.83	1.1	118.8	940983.42
Ge	72	He	284111.65	0.5	119.7	237261.346666667
Ge	72	HEHe	127097.98	2.2	117.3	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-08
File Name	046SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:47:16
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.455	He	0.455	72	14.0	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3151223.00	1.1	130.5	2415232.75
Sc	45	He	310650.42	1.3	131.6	236007.256666667
Ge	72	No Gas	1160369.83	3.4	123.3	940983.42
Ge	72	He	298270.00	0.4	125.7	237261.346666667
Ge	72	HEHe	131382.27	1.7	121.2	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-09
File Name	047SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:49:35
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.839	He	1.839	72	3.3	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3358556.50	1.5	139.1	2415232.75
Sc	45	He	310287.62	0.9	131.5	236007.256666667
Ge	72	No Gas	1233562.96	2.5	131.1	940983.42
Ge	72	He	295794.09	1.1	124.7	237261.346666667
Ge	72	HEHe	132343.06	0.8	122.1	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-10
File Name	048SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:51:53
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.483	He	1.483	72	1.7	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3172410.25	2.6	131.4	2415232.75
Sc	45	He	301913.02	1.8	127.9	236007.256666667
Ge	72	No Gas	1141378.75	1.1	121.3	940983.42
Ge	72	He	287882.82	0.7	121.3	237261.346666667
Ge	72	HEHe	129225.51	2.7	119.2	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	Rinse
File Name	049_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:54:14
Sample Type	RINSE
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	2017491.19	3.6	122.6	1645377.75666667
Sc	45	No Gas	3070328.67	1.1	127.1	2415232.75
Sc	45	He	301493.68	0.4	127.7	236007.256666667
Ge	72	No Gas	1206926.54	0.6	128.3	940983.42
Ge	72	He	302167.71	0.7	127.4	237261.346666667
Ge	72	HEHe	128805.85	1.0	118.9	108366.613333333
Rh	103	No Gas	3598871.75	1.9	116.4	3091750.66666667
Rh	103	He	2469622.05	1.5	117.0	2111209.43
Ho	165	No Gas	995905.21	0.6	104.6	952522.413333333
Ho	165	He	729825.77	0.3	107.7	677797.106666667

Sample Report

Sample Name	CCV
File Name	050_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 14:57:34
Sample Type	CCV
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	50.416	No Gas	50.416	6	4.4	50	
9	Be	51.192	No Gas	51.192	6	3.3	50	
11	B	50.716	No Gas	50.716	45	6.5	50	
27	Al	101.456	No Gas	101.456	45	2.5	100	
27	Al	101.815	He	101.815	45	3.2	100	
47	Ti	51.716	He	51.716	45	2.3	50	
51	V	50.676	He	50.676	45	1.5	50	
52	Cr	49.564	He	49.564	45	1.6	50	
53	Cr	49.483	He	49.483	45	2.3	50	
55	Mn	49.422	No Gas	49.422	72	2.7	50	
55	Mn	49.804	He	49.804	72	1.3	50	
56	Fe	98.467	He	98.467	72	1.0	100	
56	Fe	100.440	HEHe	100.44	72	1.8	100	
57	Fe	98.176	He	98.176	72	0.9	100	
59	Co	48.939	He	48.939	72	0.7	50	
60	Ni	48.265	He	48.265	72	1.4	50	
62	Ni	47.884	He	47.884	72	1.7	50	
65	Cu	47.932	He	47.932	72	0.7	50	
66	Zn	49.033	He	49.033	72	2.0	50	
75	As	50.419	He	50.419	72	1.4	50	
78	Se	51.423	He	51.423	72	2.3	50	
82	Se	51.173	He	51.173	72	1.2	50	
88	Sr	47.896	No Gas	47.896	72	2.3	50	
88	Sr	49.551	He	49.551	72	0.9	50	
95	Mo	50.189	No Gas	50.189	103	2.3	50	
95	Mo	51.066	He	51.066	103	0.9	50	
98	Mo	50.047	No Gas	50.047	103	1.6	50	
98	Mo	50.795	He	50.795	103	1.6	50	
107	Ag	50.033	No Gas	50.033	103	2.0	50	
107	Ag	50.329	He	50.329	103	0.3	50	
109	Ag	49.617	No Gas	49.617	103	2.6	50	
109	Ag	50.768	He	50.768	103	0.9	50	
111	Cd	50.388	No Gas	50.388	103	1.9	50	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	50.878	He	50.878	103	1.7	50	
114	Cd	49.686	No Gas	49.686	103	1.9	50	
114	Cd	50.788	He	50.788	103	1.6	50	
118	Sn	49.815	No Gas	49.815	103	2.5	50	
118	Sn	51.718	He	51.718	103	1.0	50	
123	Sb	52.067	No Gas	52.067	165	2.4	50	
123	Sb	54.220	He	54.22	165	3.1	50	
137	Ba	52.606	No Gas	52.606	165	3.0	50	
137	Ba	54.422	He	54.422	165	0.2	50	
201	Hg	2.306	No Gas	2.306	165	3.1	2.5	
201	Hg	2.386	He	2.386	165	0.4	2.5	
202	Hg	2.272	No Gas	2.272	165	3.4	2.5	
202	Hg	2.417	He	2.417	165	1.7	2.5	
205	Tl	45.935	No Gas	45.935	165	2.2	50	
205	Tl	49.256	He	49.256	165	1.1	50	
208	Pb	46.031	No Gas	46.031	165	3.0	50	
208	Pb	49.075	He	49.075	165	0.7	50	
238	U	42.694	No Gas	42.694	165	2.9	50	> +/- 10%
238	U	46.985	He	46.985	165	1.2	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1908591.45	2.1	116.0	1645377.75666667
Sc	45	No Gas	3026225.50	1.8	125.3	2415232.75
Sc	45	He	296388.73	1.0	125.6	236007.256666667
Ge	72	No Gas	1178871.29	0.7	125.3	940983.42
Ge	72	He	299834.83	1.0	126.4	237261.346666667
Ge	72	HEHe	130207.88	1.7	120.2	108366.613333333
Rh	103	No Gas	3503223.17	0.5	113.3	3091750.66666667
Rh	103	He	2460459.80	0.7	116.5	2111209.43
Ho	165	No Gas	1020188.52	2.0	107.1	952522.413333333
Ho	165	He	738465.56	0.3	109.0	677797.106666667

Sample Report

Sample Name	CCB
File Name	051_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:00:55
Sample Type	CCB
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	<0.000	No Gas	-0.059	6	0.3	0.5	
9	Be	0.005	No Gas	0.005	6	78.1	0.05	
11	B	8.259	No Gas	8.259	45	0.4	1.69	>DL*2.2
27	Al	0.072	No Gas	0.072	45	1.4	1.57	
27	Al	<0.000	He	-0.006	45	11.6	1.57	
47	Ti	0.056	He	0.056	45	89.2	0.23	
51	V	0.059	He	0.059	45	4.5	0.28	
52	Cr	0.003	He	0.003	45	3.4	0.04	
53	Cr	0.250	He	0.25	45	18.0	0.04	>DL*2.2
55	Mn	0.111	No Gas	0.111	72	2.6	0.05	>DL*2.2
55	Mn	0.014	He	0.014	72	12.8	0.05	
56	Fe	0.137	He	0.137	72	2.5	1.59	
56	Fe	0.213	HEHe	0.213	72	2.9	1.59	
57	Fe	0.114	He	0.114	72	6.8	1.59	
59	Co	0.002	He	0.002	72	34.0	0.02	
60	Ni	<0.000	He	-0.112	72	3.0	0.08	
62	Ni	<0.000	He	-0.155	72	11.6	0.08	
65	Cu	0.167	He	0.167	72	1.2	0.03	>DL*2.2
66	Zn	<0.000	He	-0.229	72	19.6	0.3	
75	As	0.047	He	0.047	72	11.8	0.06	
78	Se	1.217	He	1.217	72	2.5	0.17	>DL*2.2
82	Se	<0.000	He	-0.494	72	10.9	0.17	
88	Sr	0.015	No Gas	0.015	72	4.5	0.02	
88	Sr	0.004	He	0.004	72	20.0	0.02	
95	Mo	0.149	No Gas	0.149	103	13.7	0.05	>DL*2.2
95	Mo	0.252	He	0.252	103	13.6	0.05	>DL*2.2
98	Mo	0.145	No Gas	0.145	103	23.1	0.05	>DL*2.2
98	Mo	0.247	He	0.247	103	23.4	0.05	>DL*2.2
107	Ag	0.012	No Gas	0.012	103	4.0	0.03	
107	Ag	0.026	He	0.026	103	21.4	0.03	
109	Ag	0.013	No Gas	0.013	103	19.0	0.03	
109	Ag	0.021	He	0.021	103	22.2	0.03	
111	Cd	0.028	No Gas	0.028	103	20.3	0.01	>DL*2.2

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	0.005	He	0.005	103	47.2	0.01	
114	Cd	0.037	No Gas	0.037	103	28.4	0.01	>DL*2.2
114	Cd	0.009	He	0.009	103	14.0	0.01	
118	Sn	0.348	No Gas	0.348	103	3.3	0.04	>DL*2.2
118	Sn	0.351	He	0.351	103	10.4	0.04	>DL*2.2
123	Sb	0.610	No Gas	0.61	165	1.9	0.05	>DL*2.2
123	Sb	0.953	He	0.953	165	6.3	0.05	>DL*2.2
137	Ba	0.018	No Gas	0.018	165	20.3	0.05	
137	Ba	0.041	He	0.041	165	10.7	0.05	
201	Hg	<0.000	No Gas	-0.003	165	4.6	0.01	
201	Hg	0.000	He	0	165	13.6	0.01	
202	Hg	0.008	No Gas	0.008	165	11.6	0.01	
202	Hg	0.018	He	0.018	165	3.9	0.01	
205	Tl	0.011	No Gas	0.011	165	8.2	0.05	
205	Tl	0.007	He	0.007	165	21.1	0.05	
208	Pb	0.015	No Gas	0.015	165	17.2	0.04	
208	Pb	0.007	He	0.007	165	7.7	0.04	
238	U	0.024	No Gas	0.024	165	12.3	0.05	
238	U	0.014	He	0.014	165	9.0	0.05	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1927738.48	1.3	117.2	1645377.75666667
Sc	45	No Gas	2969194.75	2.2	122.9	2415232.75
Sc	45	He	293453.11	2.1	124.3	236007.256666667
Ge	72	No Gas	1192158.79	1.7	126.7	940983.42
Ge	72	He	292435.61	0.8	123.3	237261.346666667
Ge	72	HEHe	127899.02	1.6	118.0	108366.613333333
Rh	103	No Gas	3490427.25	0.7	112.9	3091750.66666667
Rh	103	He	2440716.92	1.5	115.6	2111209.43
Ho	165	No Gas	1013311.46	3.7	106.4	952522.413333333
Ho	165	He	738611.33	1.6	109.0	677797.106666667

Sample Report

Sample Name	Rinse
File Name	052_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:04:16
Sample Type	RINSE
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1910886.98	2.6	116.1	1645377.75666667
Sc	45	No Gas	2919022.08	1.4	120.9	2415232.75
Sc	45	He	285965.87	0.5	121.2	236007.256666667
Ge	72	No Gas	1130836.50	1.5	120.2	940983.42
Ge	72	He	287905.77	0.7	121.3	237261.346666667
Ge	72	HEHe	126693.10	1.0	116.9	108366.613333333
Rh	103	No Gas	3469851.33	1.9	112.2	3091750.66666667
Rh	103	He	2415317.40	1.8	114.4	2111209.43
Ho	165	No Gas	988597.41	1.5	103.8	952522.413333333
Ho	165	He	721223.82	0.6	106.4	677797.106666667

Sample Report

Sample Name	WDA1107-11
File Name	053SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:07:39
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	2.457	He	2.457	72	1.9	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	2413647.58	3.0	99.9	2415232.75
Sc	45	He	239761.53	1.9	101.6	236007.256666667
Ge	72	No Gas	779054.29	1.1	82.8	940983.42
Ge	72	He	213196.20	1.4	89.9	237261.346666667
Ge	72	HEHe	95400.62	1.2	88.0	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-12
File Name	054SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:09:57
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.319	He	0.319	72	11.5	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3543444.25	0.4	146.7	2415232.75
Sc	45	He	334233.92	0.9	141.6	236007.256666667
Ge	72	No Gas	1240615.50	2.1	131.8	940983.42
Ge	72	He	320594.23	0.7	135.1	237261.346666667
Ge	72	HEHe	139078.14	0.4	128.3	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-13
File Name	055SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:12:16
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.418	He	0.418	72	7.9	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3379624.42	3.6	139.9	2415232.75
Sc	45	He	324331.09	2.5	137.4	236007.256666667
Ge	72	No Gas	1226693.71	2.7	130.4	940983.42
Ge	72	He	311556.72	1.8	131.3	237261.346666667
Ge	72	HEHe	138668.79	3.7	128.0	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-14
File Name	056_ARF.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:14:38
Sample Type	AllRef
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.338	He	0.338	72	4.0	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3334939.75	1.1	138.1	2415232.75
Sc	45	He	323070.02	1.0	136.9	236007.256666667
Ge	72	No Gas	1208960.79	1.9	128.5	940983.42
Ge	72	He	313328.69	1.0	132.1	237261.346666667
Ge	72	HEHe	136124.37	1.6	125.6	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	BDB0012-MS1
File Name	057_LFM.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:16:56
Sample Type	LFM
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	49.113	He	49.113	72	1.0	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3412568.33	1.8	141.3	2415232.75
Sc	45	He	321204.07	0.8	136.1	236007.256666667
Ge	72	No Gas	1223823.75	1.8	130.1	940983.42
Ge	72	He	310030.42	0.5	130.7	237261.346666667
Ge	72	HEHe	135034.85	0.7	124.6	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	BDB0012-MSD1
File Name	058LFMD.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:19:14
Sample Type	LFMDup
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	42.552	He	42.552	72	1.4	20	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3114344.17	1.2	128.9	2415232.75
Sc	45	He	314315.26	0.7	133.2	236007.256666667
Ge	72	No Gas	1177558.16	1.5	125.1	940983.42
Ge	72	He	304996.48	1.4	128.5	237261.346666667
Ge	72	HEHe	135728.37	1.3	125.2	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-15
File Name	059SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:21:35
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	12.447	He	12.447	72	1.1	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	2851772.17	3.5	118.1	2415232.75
Sc	45	He	276335.33	1.7	117.1	236007.256666667
Ge	72	No Gas	934200.25	2.3	99.3	940983.42
Ge	72	He	247983.71	0.6	104.5	237261.346666667
Ge	72	HEHe	106598.65	0.6	98.4	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-16
File Name	060SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:23:53
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.268	He	1.268	72	4.6	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3335338.00	1.6	138.1	2415232.75
Sc	45	He	309139.05	1.8	131.0	236007.256666667
Ge	72	No Gas	1081018.13	1.5	114.9	940983.42
Ge	72	He	278122.77	1.3	117.2	237261.346666667
Ge	72	HEHe	121720.36	1.7	112.3	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	BDB0012-MS2
File Name	061_LFM.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:26:11
Sample Type	LFM
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	39.022	He	39.022	72	1.4	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3364267.50	2.9	139.3	2415232.75
Sc	45	He	313554.22	0.6	132.9	236007.256666667
Ge	72	No Gas	1107987.25	4.1	117.7	940983.42
Ge	72	He	284552.28	0.9	119.9	237261.346666667
Ge	72	HEHe	125553.18	3.2	115.9	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	BDB0012-MSD2
File Name	062LFMD.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:28:32
Sample Type	LFMDup
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	42.076	He	42.076	72	1.2	20	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3453135.00	2.4	143.0	2415232.75
Sc	45	He	330391.76	0.7	140.0	236007.256666667
Ge	72	No Gas	1174883.96	1.1	124.9	940983.42
Ge	72	He	302721.45	0.6	127.6	237261.346666667
Ge	72	HEHe	130795.34	0.8	120.7	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-17
File Name	063SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:30:51
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.155	He	1.155	72	3.3	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3340507.50	0.7	138.3	2415232.75
Sc	45	He	339895.20	0.6	144.0	236007.256666667
Ge	72	No Gas	1172715.83	4.3	124.6	940983.42
Ge	72	He	315388.37	1.0	132.9	237261.346666667
Ge	72	HEHe	133851.46	1.1	123.5	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	WDA1107-18
File Name	064SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:33:10
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.360	He	0.36	72	4.4	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				1645377.75666667
Sc	45	No Gas	3731597.50	2.4	154.5	2415232.75
Sc	45	He	348621.39	0.7	147.7	236007.256666667
Ge	72	No Gas	1329373.38	0.7	141.3	940983.42
Ge	72	He	337009.77	0.7	142.0	237261.346666667
Ge	72	HEHe	146618.99	1.8	135.3	108366.613333333
Rh	103	No Gas				3091750.66666667
Rh	103	He				2111209.43
Ho	165	No Gas				952522.413333333
Ho	165	He				677797.106666667

Sample Report

Sample Name	BDB0127-BLK2
File Name	065_Blk.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:35:30
Sample Type	Blank
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	0.042	No Gas	0.042	6	0.3	0.5	
9	Be	0.001	No Gas	0.001	6	43.4	0.05	
11	B	28.883	No Gas	28.883	45	0.4	1.69	>DL*2.2
27	Al	1.939	No Gas	1.939	45	0.1	1.57	
27	Al	1.824	He	1.824	45	0.7	1.57	
47	Ti	0.012	He	0.012	45	0.0	0.23	
51	V	0.843	He	0.843	45	2.2	0.28	>DL*2.2
52	Cr	0.094	He	0.094	45	6.7	0.04	>DL*2.2
53	Cr	2.450	He	2.45	45	8.3	0.04	>DL*2.2
55	Mn	0.317	No Gas	0.317	72	0.8	0.05	>DL*2.2
55	Mn	0.008	He	0.008	72	9.3	0.05	
56	Fe	1.492	He	1.492	72	2.0	1.59	
56	Fe	1.450	HEHe	1.45	72	3.4	1.59	
57	Fe	1.425	He	1.425	72	12.2	1.59	
59	Co	<0.000	He	0	72	63.5	0.02	
60	Ni	<0.000	He	-0.167	72	0.7	0.08	
62	Ni	<0.000	He	-0.243	72	12.9	0.08	
65	Cu	0.626	He	0.626	72	4.6	0.03	>DL*2.2
66	Zn	0.090	He	0.09	72	12.9	0.3	
75	As	0.285	He	0.285	72	7.5	0.06	>DL*2.2
78	Se	1.544	He	1.544	72	4.2	0.17	>DL*2.2
82	Se	<0.000	He	-0.618	72	12.6	0.17	
88	Sr	0.091	No Gas	0.091	72	2.2	0.02	>DL*2.2
88	Sr	0.093	He	0.093	72	8.1	0.02	>DL*2.2
95	Mo	0.016	No Gas	0.016	103	20.0	0.05	
95	Mo	0.018	He	0.018	103	51.5	0.05	
98	Mo	0.020	No Gas	0.02	103	12.9	0.05	
98	Mo	0.015	He	0.015	103	14.9	0.05	
107	Ag	0.007	No Gas	0.007	103	35.0	0.03	
107	Ag	0.008	He	0.008	103	32.0	0.03	
109	Ag	0.007	No Gas	0.007	103	48.5	0.03	
109	Ag	0.009	He	0.009	103	24.7	0.03	
111	Cd	<0.000	No Gas	-0.005	103	8033.0	0.01	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	0.000	He	0	103	65.5	0.01	
114	Cd	0.003	No Gas	0.003	103	100.5	0.01	
114	Cd	<0.000	He	-0.006	103	25.8	0.01	
118	Sn	<0.000	No Gas	-0.145	103	11.1	0.04	
118	Sn	<0.000	He	-0.098	103	5.5	0.04	
123	Sb	0.830	No Gas	0.83	165	5.2	0.05	>DL*2.2
123	Sb	0.864	He	0.864	165	4.2	0.05	>DL*2.2
137	Ba	0.029	No Gas	0.029	165	3.4	0.05	
137	Ba	0.029	He	0.029	165	9.8	0.05	
201	Hg	<0.000	No Gas	-0.003	165	12.8	0.01	
201	Hg	0.003	He	0.003	165	10.1	0.01	
202	Hg	0.004	No Gas	0.004	165	2.5	0.01	
202	Hg	0.016	He	0.016	165	2.7	0.01	
205	Tl	0.003	No Gas	0.003	165	14.4	0.05	
205	Tl	0.001	He	0.001	165	19.2	0.05	
208	Pb	0.020	No Gas	0.02	165	14.9	0.04	
208	Pb	0.018	He	0.018	165	6.0	0.04	
238	U	0.002	No Gas	0.002	165	7.8	0.05	
238	U	<0.000	He	-0.011	165	1.4	0.05	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1956316.10	2.0	118.9	1645377.75666667
Sc	45	No Gas	3486015.25	2.2	144.3	2415232.75
Sc	45	He	352022.22	1.1	149.2	236007.256666667
Ge	72	No Gas	1278812.75	1.7	135.9	940983.42
Ge	72	He	337501.13	1.6	142.2	237261.346666667
Ge	72	HEHe	145449.15	2.4	134.2	108366.613333333
Rh	103	No Gas	3693129.25	0.8	119.5	3091750.66666667
Rh	103	He	2709677.46	1.4	128.3	2111209.43
Ho	165	No Gas	963279.41	1.8	101.1	952522.413333333
Ho	165	He	754176.50	0.9	111.3	677797.106666667

Sample Report

Sample Name	BDB0127-BS1
File Name	066_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:38:52
Sample Type	LCS
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	43.136	No Gas	43.136	6	1.6	50	
9	Be	45.618	No Gas	45.618	6	1.9	50	
11	B	71.221	No Gas	71.221	45	2.5	50	> +/- 10%
27	Al	85.831	No Gas	85.831	45	2.6	100	
27	Al	92.291	He	92.291	45	2.4	100	
47	Ti	47.410	He	47.41	45	1.8	50	
51	V	44.241	He	44.241	45	0.5	50	
52	Cr	42.627	He	42.627	45	1.4	50	
53	Cr	44.426	He	44.426	45	2.7	50	
55	Mn	42.999	No Gas	42.999	72	2.6	50	
55	Mn	42.493	He	42.493	72	1.2	50	> +/- 10%
56	Fe	87.723	He	87.723	72	1.4	100	
56	Fe	92.582	HEHe	92.582	72	0.3	100	
57	Fe	90.740	He	90.74	72	2.4	100	
59	Co	41.053	He	41.053	72	0.7	50	> +/- 10%
60	Ni	40.518	He	40.518	72	1.3	50	> +/- 10%
62	Ni	40.973	He	40.973	72	0.9	50	> +/- 10%
65	Cu	40.354	He	40.354	72	1.4	50	> +/- 10%
66	Zn	40.535	He	40.535	72	0.8	50	> +/- 10%
75	As	43.167	He	43.167	72	1.1	50	
78	Se	44.434	He	44.434	72	3.9	50	
82	Se	41.733	He	41.733	72	2.5	50	> +/- 10%
88	Sr	40.127	No Gas	40.127	72	2.1	50	> +/- 10%
88	Sr	41.772	He	41.772	72	0.6	50	> +/- 10%
95	Mo	52.196	No Gas	52.196	103	2.0	50	
95	Mo	52.790	He	52.79	103	0.7	50	
98	Mo	51.726	No Gas	51.726	103	1.3	50	
98	Mo	52.516	He	52.516	103	1.0	50	
107	Ag	44.053	No Gas	44.053	103	1.0	50	
107	Ag	44.102	He	44.102	103	0.3	50	
109	Ag	44.041	No Gas	44.041	103	1.6	50	
109	Ag	44.081	He	44.081	103	1.3	50	
111	Cd	44.587	No Gas	44.587	103	0.6	50	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	44.796	He	44.796	103	1.4	50	
114	Cd	43.886	No Gas	43.886	103	2.2	50	
114	Cd	44.632	He	44.632	103	0.9	50	
118	Sn	49.856	No Gas	49.856	103	2.9	50	
118	Sn	52.876	He	52.876	103	1.8	50	
123	Sb	67.272	No Gas	67.272	165	2.8	50	> +/- 10%
123	Sb	69.526	He	69.526	165	1.0	50	> +/- 10%
137	Ba	49.983	No Gas	49.983	165	2.3	50	
137	Ba	49.508	He	49.508	165	1.1	50	
201	Hg	2.018	No Gas	2.018	165	3.4	2.5	> +/- 10%
201	Hg	1.985	He	1.985	165	1.5	2.5	> +/- 10%
202	Hg	1.959	No Gas	1.959	165	2.1	2.5	> +/- 10%
202	Hg	2.068	He	2.068	165	1.0	2.5	> +/- 10%
205	Tl	40.229	No Gas	40.229	165	3.0	50	> +/- 10%
205	Tl	41.889	He	41.889	165	0.8	50	> +/- 10%
208	Pb	38.045	No Gas	38.045	165	1.7	50	> +/- 10%
208	Pb	39.312	He	39.312	165	0.8	50	> +/- 10%
238	U	35.559	No Gas	35.559	165	2.1	50	> +/- 10%
238	U	38.689	He	38.689	165	0.7	50	> +/- 10%

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1896813.76	1.5	115.3	1645377.75666667
Sc	45	No Gas	3494681.33	2.2	144.7	2415232.75
Sc	45	He	338584.04	0.4	143.5	236007.256666667
Ge	72	No Gas	1296308.50	1.5	137.8	940983.42
Ge	72	He	338252.98	0.4	142.6	237261.346666667
Ge	72	HEHe	146092.85	0.3	134.8	108366.613333333
Rh	103	No Gas	3584602.33	0.8	115.9	3091750.66666667
Rh	103	He	2591658.85	2.1	122.8	2111209.43
Ho	165	No Gas	965028.19	1.8	101.3	952522.413333333
Ho	165	He	755295.92	0.5	111.4	677797.106666667

Sample Report

Sample Name	Rinse
File Name	067_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:42:15
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1997380.56	0.8	121.4	1645377.75666667
Sc	45	No Gas	3378278.25	2.4	139.9	2415232.75
Sc	45	He	340925.78	1.0	144.5	236007.256666667
Ge	72	No Gas	1326828.25	2.6	141.0	940983.42
Ge	72	He	344934.94	0.6	145.4	237261.346666667
Ge	72	HEHe	145734.68	1.3	134.5	108366.613333333
Rh	103	No Gas	3763369.33	0.8	121.7	3091750.66666667
Rh	103	He	2721319.96	0.9	128.9	2111209.43
Ho	165	No Gas	1043503.90	2.2	109.6	952522.413333333
Ho	165	He	789844.74	0.9	116.5	677797.106666667

Sample Report

Sample Name	Rinse
File Name	068_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:45:35
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1969802.78	2.4	119.7	1645377.75666667
Sc	45	No Gas	3329109.25	2.0	137.8	2415232.75
Sc	45	He	326215.57	0.7	138.2	236007.256666667
Ge	72	No Gas	1295860.08	1.3	137.7	940983.42
Ge	72	He	331217.48	1.0	139.6	237261.346666667
Ge	72	HEHe	141329.88	1.0	130.4	108366.613333333
Rh	103	No Gas	3773895.25	1.2	122.1	3091750.66666667
Rh	103	He	2647025.17	0.4	125.4	2111209.43
Ho	165	No Gas	1025934.06	1.1	107.7	952522.413333333
Ho	165	He	766442.81	1.1	113.1	677797.106666667

Sample Report

Sample Name	Rinse
File Name	069_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:48:57
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1904608.14	0.9	115.8	1645377.75666667
Sc	45	No Gas	3222710.42	0.6	133.4	2415232.75
Sc	45	He	318202.76	0.7	134.8	236007.256666667
Ge	72	No Gas	1278215.29	3.2	135.8	940983.42
Ge	72	He	322837.82	0.3	136.1	237261.346666667
Ge	72	HEHe	141441.19	2.4	130.5	108366.613333333
Rh	103	No Gas	3690658.00	0.7	119.4	3091750.66666667
Rh	103	He	2659518.99	0.9	126.0	2111209.43
Ho	165	No Gas	1011076.12	1.2	106.1	952522.413333333
Ho	165	He	751555.39	1.0	110.9	677797.106666667

Sample Report

Sample Name	Rinse
File Name	070_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:52:18
Sample Type	RINSE
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1941975.98	2.6	118.0	1645377.75666667
Sc	45	No Gas	3176751.33	1.3	131.5	2415232.75
Sc	45	He	316365.70	1.2	134.0	236007.256666667
Ge	72	No Gas	1253983.33	0.7	133.3	940983.42
Ge	72	He	315445.34	1.2	133.0	237261.346666667
Ge	72	HEHe	139098.26	1.1	128.4	108366.613333333
Rh	103	No Gas	3729768.67	1.5	120.6	3091750.66666667
Rh	103	He	2556108.65	1.8	121.1	2111209.43
Ho	165	No Gas	1017320.35	2.1	106.8	952522.413333333
Ho	165	He	751687.97	1.0	110.9	677797.106666667

Sample Report

Sample Name	Rinse
File Name	071_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:55:41
Sample Type	RINSE
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1915116.38	2.5	116.4	1645377.75666667
Sc	45	No Gas	3202733.75	0.6	132.6	2415232.75
Sc	45	He	312936.18	0.5	132.6	236007.256666667
Ge	72	No Gas	1270556.83	1.5	135.0	940983.42
Ge	72	He	319665.26	1.4	134.7	237261.346666667
Ge	72	HEHe	139501.25	0.8	128.7	108366.613333333
Rh	103	No Gas	3653213.08	2.1	118.2	3091750.66666667
Rh	103	He	2609168.51	2.1	123.6	2111209.43
Ho	165	No Gas	1016110.19	0.6	106.7	952522.413333333
Ho	165	He	748260.46	0.8	110.4	677797.106666667

Sample Report

Sample Name	CCV
File Name	072_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 15:59:01
Sample Type	CCV
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	49.179	No Gas	49.179	6	4.3	50	
9	Be	51.310	No Gas	51.31	6	2.8	50	
11	B	51.969	No Gas	51.969	45	6.4	50	
27	Al	101.155	No Gas	101.155	45	1.9	100	
27	Al	97.176	He	97.176	45	0.8	100	
47	Ti	48.784	He	48.784	45	0.6	50	
51	V	51.220	He	51.22	45	0.5	50	
52	Cr	49.503	He	49.503	45	0.6	50	
53	Cr	49.941	He	49.941	45	0.8	50	
55	Mn	48.443	No Gas	48.443	72	3.3	50	
55	Mn	48.289	He	48.289	72	0.4	50	
56	Fe	96.083	He	96.083	72	1.1	100	
56	Fe	98.196	HEHe	98.196	72	1.4	100	
57	Fe	97.399	He	97.399	72	1.0	100	
59	Co	48.558	He	48.558	72	0.8	50	
60	Ni	47.511	He	47.511	72	1.6	50	
62	Ni	47.630	He	47.63	72	2.8	50	
65	Cu	47.362	He	47.362	72	0.7	50	
66	Zn	47.594	He	47.594	72	1.4	50	
75	As	50.396	He	50.396	72	0.9	50	
78	Se	49.899	He	49.899	72	1.0	50	
82	Se	49.021	He	49.021	72	4.0	50	
88	Sr	47.383	No Gas	47.383	72	1.9	50	
88	Sr	48.142	He	48.142	72	0.8	50	
95	Mo	50.235	No Gas	50.235	103	2.3	50	
95	Mo	50.581	He	50.581	103	1.4	50	
98	Mo	49.398	No Gas	49.398	103	1.7	50	
98	Mo	50.498	He	50.498	103	2.1	50	
107	Ag	49.691	No Gas	49.691	103	0.4	50	
107	Ag	50.207	He	50.207	103	1.7	50	
109	Ag	49.551	No Gas	49.551	103	0.8	50	
109	Ag	50.127	He	50.127	103	1.0	50	
111	Cd	49.702	No Gas	49.702	103	0.3	50	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	50.853	He	50.853	103	0.5	50	
114	Cd	49.437	No Gas	49.437	103	1.5	50	
114	Cd	50.669	He	50.669	103	0.8	50	
118	Sn	49.659	No Gas	49.659	103	2.7	50	
118	Sn	51.588	He	51.588	103	1.0	50	
123	Sb	53.995	No Gas	53.995	165	3.9	50	
123	Sb	55.719	He	55.719	165	1.9	50	> +/- 10%
137	Ba	54.490	No Gas	54.49	165	2.2	50	
137	Ba	55.505	He	55.505	165	0.9	50	> +/- 10%
201	Hg	2.247	No Gas	2.247	165	2.7	2.5	> +/- 10%
201	Hg	2.350	He	2.35	165	0.6	2.5	
202	Hg	2.273	No Gas	2.273	165	0.8	2.5	
202	Hg	2.343	He	2.343	165	1.3	2.5	
205	Tl	45.611	No Gas	45.611	165	1.9	50	
205	Tl	47.583	He	47.583	165	0.8	50	
208	Pb	46.000	No Gas	46	165	3.3	50	
208	Pb	47.912	He	47.912	165	1.1	50	
238	U	42.818	No Gas	42.818	165	3.2	50	> +/- 10%
238	U	45.858	He	45.858	165	1.3	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1895580.92	0.6	115.2	1645377.75666667
Sc	45	No Gas	3148968.75	1.7	130.4	2415232.75
Sc	45	He	311815.63	1.0	132.1	236007.256666667
Ge	72	No Gas	1250296.67	1.1	132.9	940983.42
Ge	72	He	320350.66	0.4	135.0	237261.346666667
Ge	72	HEHe	139881.83	1.2	129.1	108366.613333333
Rh	103	No Gas	3701696.50	3.1	119.7	3091750.66666667
Rh	103	He	2564346.29	0.6	121.5	2111209.43
Ho	165	No Gas	1041125.48	1.6	109.3	952522.413333333
Ho	165	He	766257.92	0.5	113.1	677797.106666667

Sample Report

Sample Name	CCB
File Name	073_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 16:03:10
Sample Type	CCB
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
7	Li	<0.000	No Gas	-0.279	6	0.6	0.5	
9	Be	0.003	No Gas	0.003	6	41.7	0.05	
11	B	9.201	No Gas	9.201	45	0.9	1.69	>DL*2.2
27	Al	0.034	No Gas	0.034	45	3.8	1.57	
27	Al	<0.000	He	-0.181	45	19.4	1.57	
47	Ti	0.062	He	0.062	45	57.3	0.23	
51	V	<0.000	He	-0.007	45	1.3	0.28	
52	Cr	0.001	He	0.001	45	17.7	0.04	
53	Cr	0.045	He	0.045	45	21.1	0.04	
55	Mn	0.151	No Gas	0.151	72	1.8	0.05	>DL*2.2
55	Mn	<0.000	He	-0.002	72	7.3	0.05	
56	Fe	0.029	He	0.029	72	2.2	1.59	
56	Fe	0.043	HEHe	0.043	72	4.7	1.59	
57	Fe	0.411	He	0.411	72	9.2	1.59	
59	Co	<0.000	He	-0.001	72	7.9	0.02	
60	Ni	<0.000	He	-0.195	72	4.1	0.08	
62	Ni	<0.000	He	-0.2	72	6.3	0.08	
65	Cu	0.075	He	0.075	72	4.1	0.03	>DL*2.2
66	Zn	<0.000	He	-0.174	72	11.7	0.3	
75	As	0.017	He	0.017	72	6.9	0.06	
78	Se	0.984	He	0.984	72	7.8	0.17	>DL*2.2
82	Se	<0.000	He	-0.271	72	15.7	0.17	
88	Sr	0.007	No Gas	0.007	72	6.2	0.02	
88	Sr	0.002	He	0.002	72	25.6	0.02	
95	Mo	0.123	No Gas	0.123	103	15.8	0.05	>DL*2.2
95	Mo	0.211	He	0.211	103	11.6	0.05	>DL*2.2
98	Mo	0.121	No Gas	0.121	103	16.5	0.05	>DL*2.2
98	Mo	0.210	He	0.21	103	19.9	0.05	>DL*2.2
107	Ag	0.004	No Gas	0.004	103	12.4	0.03	
107	Ag	0.002	He	0.002	103	32.7	0.03	
109	Ag	0.004	No Gas	0.004	103	40.7	0.03	
109	Ag	0.005	He	0.005	103	16.4	0.03	
111	Cd	<0.000	No Gas	-0.026	103	-181.0	0.01	

Sample Report

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
111	Cd	0.005	He	0.005	103	33.3	0.01	
114	Cd	<0.000	No Gas	-0.015	103	765.7	0.01	
114	Cd	0.009	He	0.009	103	0.0	0.01	
118	Sn	0.248	No Gas	0.248	103	4.8	0.04	>DL*2.2
118	Sn	0.308	He	0.308	103	8.1	0.04	>DL*2.2
123	Sb	0.521	No Gas	0.521	165	7.5	0.05	>DL*2.2
123	Sb	0.884	He	0.884	165	11.1	0.05	>DL*2.2
137	Ba	0.018	No Gas	0.018	165	14.6	0.05	
137	Ba	0.046	He	0.046	165	15.7	0.05	
201	Hg	<0.000	No Gas	-0.001	165	5.2	0.01	
201	Hg	0.026	He	0.026	165	13.0	0.01	>DL*2.2
202	Hg	0.011	No Gas	0.011	165	6.5	0.01	
202	Hg	0.020	He	0.02	165	6.6	0.01	
205	Tl	0.006	No Gas	0.006	165	17.8	0.05	
205	Tl	0.004	He	0.004	165	15.2	0.05	
208	Pb	0.007	No Gas	0.007	165	17.9	0.04	
208	Pb	0.012	He	0.012	165	7.4	0.04	
238	U	0.013	No Gas	0.013	165	12.7	0.05	
238	U	0.019	He	0.019	165	4.7	0.05	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1912923.40	1.9	116.3	1645377.75666667
Sc	45	No Gas	3169343.67	1.4	131.2	2415232.75
Sc	45	He	305943.87	0.5	129.6	236007.256666667
Ge	72	No Gas	1251411.17	1.6	133.0	940983.42
Ge	72	He	310070.80	1.0	130.7	237261.346666667
Ge	72	HEHe	136086.21	0.7	125.6	108366.613333333
Rh	103	No Gas	3729741.25	0.8	120.6	3091750.66666667
Rh	103	He	2560016.91	0.8	121.3	2111209.43
Ho	165	No Gas	1047611.29	1.3	110.0	952522.413333333
Ho	165	He	752875.85	0.8	111.1	677797.106666667

Sample Report

Sample Name	Rinse
File Name	074_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq Time	2023-02-03 16:06:30
Sample Type	RINSE
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1879893.73	2.3	114.3	1645377.75666667
Sc	45	No Gas	3127136.33	1.3	129.5	2415232.75
Sc	45	He	303301.05	0.5	128.5	236007.256666667
Ge	72	No Gas	1224380.71	2.4	130.1	940983.42
Ge	72	He	308927.98	0.3	130.2	237261.346666667
Ge	72	HEHe	135328.04	0.6	124.9	108366.613333333
Rh	103	No Gas	3686365.17	1.1	119.2	3091750.66666667
Rh	103	He	2534956.08	0.9	120.1	2111209.43
Ho	165	No Gas	1062225.46	1.9	111.5	952522.413333333
Ho	165	He	751714.14	0.9	110.9	677797.106666667

Sample Report

Sample Name	BDB0012-BLK1
File Name	011_Blk.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 16:43:34
Sample Type	Blank
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.068	He	0.068	72	14.3	0.06	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3079933.42	0.6	102.1	3017618.25
Sc	45	He	290856.07	0.5	98.9	294179.71
Ge	72	No Gas	1134562.13	1.8	96.5	1175154.29333333
Ge	72	He	290353.04	0.5	96.8	300033.99
Ge	72	HEHe	130493.43	4.9	97.0	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BDB0127-BS1
File Name	012_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 16:45:53
Sample Type	LCS
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	50.623	He	50.623	72	0.5	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3072420.58	2.2	101.8	3017618.25
Sc	45	He	283366.60	1.0	96.3	294179.71
Ge	72	No Gas	1169995.42	3.4	99.6	1175154.29333333
Ge	72	He	283248.36	0.5	94.4	300033.99
Ge	72	HEHe	128507.66	2.2	95.5	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-08
File Name	013SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 16:48:11
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.342	He	0.342	72	3.6	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	2943231.33	1.2	97.5	3017618.25
Sc	45	He	277580.94	1.3	94.4	294179.71
Ge	72	No Gas	1108744.04	1.8	94.3	1175154.29333333
Ge	72	He	277605.20	0.7	92.5	300033.99
Ge	72	HEHe	125938.28	1.2	93.6	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-12
File Name	014SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 16:50:32
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.186	He	0.186	72	7.3	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3076747.75	3.0	102.0	3017618.25
Sc	45	He	279693.49	0.8	95.1	294179.71
Ge	72	No Gas	1144123.92	0.3	97.4	1175154.29333333
Ge	72	He	281345.83	0.9	93.8	300033.99
Ge	72	HEHe	127827.49	2.4	95.0	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-13
File Name	015SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 16:52:50
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.190	He	0.19	72	13.8	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3008652.25	1.9	99.7	3017618.25
Sc	45	He	281775.33	2.0	95.8	294179.71
Ge	72	No Gas	1122510.21	1.9	95.5	1175154.29333333
Ge	72	He	285100.93	1.5	95.0	300033.99
Ge	72	HEHe	128265.26	0.8	95.3	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-14
File Name	016_ARF.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 16:55:09
Sample Type	AllRef
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.163	He	0.163	72	8.4	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	2958848.08	2.5	98.1	3017618.25
Sc	45	He	280476.68	0.4	95.3	294179.71
Ge	72	No Gas	1121217.46	1.8	95.4	1175154.29333333
Ge	72	He	282013.04	1.0	94.0	300033.99
Ge	72	HEHe	126927.67	0.2	94.3	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BDB0012-MS1
File Name	017_LFM.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 16:57:29
Sample Type	LFM
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	48.130	He	48.13	72	1.4	100	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3087230.92	3.5	102.3	3017618.25
Sc	45	He	284590.21	0.5	96.7	294179.71
Ge	72	No Gas	1119214.88	0.1	95.2	1175154.29333333
Ge	72	He	284835.68	0.9	94.9	300033.99
Ge	72	HEHe	127930.31	0.4	95.1	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BDB0012-MSD1
File Name	018LFMD.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 16:59:48
Sample Type	LFMDup
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	41.806	He	41.806	72	0.5	20	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3059366.67	2.7	101.4	3017618.25
Sc	45	He	284475.73	1.3	96.7	294179.71
Ge	72	No Gas	1118991.62	4.3	95.2	1175154.29333333
Ge	72	He	284564.67	1.4	94.8	300033.99
Ge	72	HEHe	127622.39	1.1	94.9	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-17
File Name	019SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:02:06
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.204	He	1.204	72	1.8	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	2809762.67	2.2	93.1	3017618.25
Sc	45	He	275812.32	0.8	93.8	294179.71
Ge	72	No Gas	1004584.42	1.5	85.5	1175154.29333333
Ge	72	He	263058.25	0.7	87.7	300033.99
Ge	72	HEHe	117555.63	2.0	87.4	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-18
File Name	020SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:04:27
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.285	He	0.285	72	12.3	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3352012.33	2.6	111.1	3017618.25
Sc	45	He	318207.43	1.8	108.2	294179.71
Ge	72	No Gas	1209876.29	0.8	103.0	1175154.29333333
Ge	72	He	310826.67	1.5	103.6	300033.99
Ge	72	HEHe	136241.78	1.7	101.3	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-01
File Name	021SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:06:45
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.485	He	1.485	72	2.9	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1928970.70	1.9		0
Sc	45	No Gas	3092021.25	2.3	102.5	3017618.25
Sc	45	He	296287.12	0.6	100.7	294179.71
Ge	72	No Gas	1160535.79	1.6	98.8	1175154.29333333
Ge	72	He	297721.28	1.2	99.2	300033.99
Ge	72	HEHe	132985.95	1.6	98.8	134546.03
Rh	103	No Gas	3339388.42	0.7		0
Rh	103	He	2369352.96	1.3		0
Ho	165	No Gas	1019836.67	2.4		0
Ho	165	He	754641.32	0.4		0

Sample Report

Sample Name	WDA1107-02
File Name	022SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:10:07
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.039	He	1.039	72	2.9	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1981149.47	2.4		0
Sc	45	No Gas	3007031.50	3.2	99.6	3017618.25
Sc	45	He	293048.90	1.0	99.6	294179.71
Ge	72	No Gas	1140399.42	0.9	97.0	1175154.29333333
Ge	72	He	298931.68	1.0	99.6	300033.99
Ge	72	HEHe	131563.49	1.0	97.8	134546.03
Rh	103	No Gas	3354017.92	1.1		0
Rh	103	He	2356135.18	2.7		0
Ho	165	No Gas	1044844.92	2.8		0
Ho	165	He	751874.57	0.9		0

Sample Report

Sample Name	WDA1107-04
File Name	023SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:13:27
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.316	He	1.316	72	8.0	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1996786.02	1.7		0
Sc	45	No Gas	3034344.75	3.6	100.6	3017618.25
Sc	45	He	291668.12	0.5	99.1	294179.71
Ge	72	No Gas	1153211.62	3.0	98.1	1175154.29333333
Ge	72	He	298999.89	1.4	99.7	300033.99
Ge	72	HEHe	131994.30	0.9	98.1	134546.03
Rh	103	No Gas	3294744.50	0.6		0
Rh	103	He	2394026.29	0.6		0
Ho	165	No Gas	1056229.54	1.9		0
Ho	165	He	762009.99	0.8		0

Sample Report

Sample Name	BDB0127-BLK2
File Name	043_Blk.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 18:08:57
Sample Type	Blank
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.133	He	0.133	72	8.0	0.06	>DL*2.2

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	4785380.67	3.9	158.6	3017618.25
Sc	45	He	477588.63	1.1	162.3	294179.71
Ge	72	No Gas	1685614.29	2.7	143.4	1175154.29333333
Ge	72	He	455044.90	0.9	151.7	300033.99
Ge	72	HEHe	193093.88	1.6	143.5	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-07
File Name	024SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:16:50
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.864	He	1.864	72	5.4	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1950970.63	1.1		0
Sc	45	No Gas	3045019.33	2.0	100.9	3017618.25
Sc	45	He	293071.02	0.6	99.6	294179.71
Ge	72	No Gas	1132196.17	1.2	96.3	1175154.29333333
Ge	72	He	294831.40	0.5	98.3	300033.99
Ge	72	HEHe	129565.08	0.5	96.3	134546.03
Rh	103	No Gas	3246809.67	0.6		0
Rh	103	He	2291448.80	1.1		0
Ho	165	No Gas	1016174.62	1.9		0
Ho	165	He	748046.78	1.5		0

Sample Report

Sample Name	Rinse
File Name	025_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:20:06
Sample Type	RINSE
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3134919.25	1.6	103.9	3017618.25
Sc	45	He	306988.83	1.1	104.4	294179.71
Ge	72	No Gas	1224502.25	0.3	104.2	1175154.29333333
Ge	72	He	313449.43	1.0	104.5	300033.99
Ge	72	HEHe	137829.23	1.9	102.4	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCV
File Name	026_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:22:27
Sample Type	CCV
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	49.353	He	49.353	72	1.7	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3085306.67	1.4	102.2	3017618.25
Sc	45	He	304201.08	1.8	103.4	294179.71
Ge	72	No Gas	1214918.34	2.5	103.4	1175154.29333333
Ge	72	He	310445.77	1.3	103.5	300033.99
Ge	72	HEHe	136402.67	2.4	101.4	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCB
File Name	027_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:24:45
Sample Type	CCB
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.017	He	0.017	72	20.4	0.06	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3076500.42	1.8	102.0	3017618.25
Sc	45	He	298959.49	1.7	101.6	294179.71
Ge	72	No Gas	1212249.08	2.4	103.2	1175154.29333333
Ge	72	He	307415.80	1.7	102.5	300033.99
Ge	72	HEHe	136259.03	2.0	101.3	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	028_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:27:02
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3026432.67	0.1	100.3	3017618.25
Sc	45	He	297023.52	1.2	101.0	294179.71
Ge	72	No Gas	1205492.12	0.3	102.6	1175154.29333333
Ge	72	He	305569.10	0.7	101.8	300033.99
Ge	72	HEHe	135828.24	3.3	101.0	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-05
File Name	029SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:29:23
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.743	He	1.743	72	8.0	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1981082.96	1.7		0
Sc	45	No Gas	3081490.33	1.5	102.1	3017618.25
Sc	45	He	292514.07	0.4	99.4	294179.71
Ge	72	No Gas	1138645.75	2.1	96.9	1175154.29333333
Ge	72	He	294055.62	0.3	98.0	300033.99
Ge	72	HEHe	131617.46	1.2	97.8	134546.03
Rh	103	No Gas	3280132.92	0.9		0
Rh	103	He	2344850.60	1.2		0
Ho	165	No Gas	1076075.48	2.3		0
Ho	165	He	766400.79	0.9		0

Sample Report

Sample Name	WDA1107-06
File Name	030SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:32:42
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.420	He	1.42	72	3.3	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	2002970.74	1.8		0
Sc	45	No Gas	3019622.33	1.3	100.1	3017618.25
Sc	45	He	289147.72	1.1	98.3	294179.71
Ge	72	No Gas	1152032.33	2.5	98.0	1175154.29333333
Ge	72	He	295808.11	0.6	98.6	300033.99
Ge	72	HEHe	129396.71	0.4	96.2	134546.03
Rh	103	No Gas	3347480.92	1.7		0
Rh	103	He	2329726.50	1.3		0
Ho	165	No Gas	1081005.38	0.3		0
Ho	165	He	760809.80	0.8		0

Sample Report

Sample Name	WDA1107-09
File Name	031SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:36:04
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.769	He	1.769	72	1.2	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1980873.66	2.1		0
Sc	45	No Gas	3014863.83	0.8	99.9	3017618.25
Sc	45	He	288159.10	0.9	98.0	294179.71
Ge	72	No Gas	1131256.50	1.7	96.3	1175154.29333333
Ge	72	He	291741.61	0.6	97.2	300033.99
Ge	72	HEHe	127381.96	2.8	94.7	134546.03
Rh	103	No Gas	3361013.42	1.6		0
Rh	103	He	2336146.58	2.3		0
Ho	165	No Gas	1049790.62	0.1		0
Ho	165	He	757942.69	1.0		0

Sample Report

Sample Name	WDA1107-10
File Name	032SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:39:20
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.368	He	1.368	72	3.1	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1928160.40	1.1		0
Sc	45	No Gas	2973043.58	1.1	98.5	3017618.25
Sc	45	He	290264.04	0.4	98.7	294179.71
Ge	72	No Gas	1108356.12	1.5	94.3	1175154.29333333
Ge	72	He	291218.22	1.5	97.1	300033.99
Ge	72	HEHe	126149.99	1.4	93.8	134546.03
Rh	103	No Gas	3170506.00	0.6		0
Rh	103	He	2261713.10	1.0		0
Ho	165	No Gas	1025285.35	1.1		0
Ho	165	He	748306.41	0.6		0

Sample Report

Sample Name	WDA1107-16
File Name	033_ARF.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:42:38
Sample Type	AllRef
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	1.173	He	1.173	72	5.8	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1825658.49	2.1		0
Sc	45	No Gas	2920652.58	2.7	96.8	3017618.25
Sc	45	He	302375.31	1.3	102.8	294179.71
Ge	72	No Gas	1051603.17	1.3	89.5	1175154.29333333
Ge	72	He	288110.96	1.1	96.0	300033.99
Ge	72	HEHe	124890.14	1.6	92.8	134546.03
Rh	103	No Gas	2965899.50	0.7		0
Rh	103	He	2159009.85	2.2		0
Ho	165	No Gas	950192.17	1.0		0
Ho	165	He	716271.21	0.8		0

Sample Report

Sample Name	BDB0012-MS2
File Name	034_LFM.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:45:27
Sample Type	LFM
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	<0.000	He	-0.001	72	52.9	100	> +/- 25%

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3247126.42	6.2	107.6	3017618.25
Sc	45	He	666993.12	30.7	226.7	294179.71
Ge	72	No Gas	1262923.83	6.1	107.5	1175154.29333333
Ge	72	He	895690.31	19.1	298.5	300033.99
Ge	72	HEHe	536161.16	4.2	398.5	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	BDB0012-MSD2
File Name	035LFMD.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:47:23
Sample Type	LFMDup
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.101	He	0.101	72	64.1	20	RPD > 20%

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3577281.00	10.2	118.5	3017618.25
Sc	45	He	796136.33	10.7	270.6	294179.71
Ge	72	No Gas	1334577.37	11.9	113.6	1175154.29333333
Ge	72	He	851969.83	7.0	284.0	300033.99
Ge	72	HEHe	465072.55	7.3	345.7	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	036_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:49:43
Sample Type	RINSE
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3203901.08	1.3	106.2	3017618.25
Sc	45	He	312954.54	0.8	106.4	294179.71
Ge	72	No Gas	1214855.54	2.6	103.4	1175154.29333333
Ge	72	He	311969.13	1.2	104.0	300033.99
Ge	72	HEHe	136455.00	1.1	101.4	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCV
File Name	037_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:52:01
Sample Type	CCV
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	48.987	He	48.987	72	0.7	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3094600.00	1.5	102.6	3017618.25
Sc	45	He	303740.73	1.2	103.3	294179.71
Ge	72	No Gas	1201152.13	2.3	102.2	1175154.29333333
Ge	72	He	307082.23	0.9	102.3	300033.99
Ge	72	HEHe	138274.94	3.0	102.8	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCB
File Name	038_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:54:21
Sample Type	CCB
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.022	He	0.022	72	25.4	0.08	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	3038991.42	1.3	100.7	3017618.25
Sc	45	He	297561.74	1.4	101.1	294179.71
Ge	72	No Gas	1181329.21	2.0	100.5	1175154.29333333
Ge	72	He	303828.58	1.7	101.3	300033.99
Ge	72	HEHe	137009.94	2.4	101.8	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	039_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:56:39
Sample Type	RINSE
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	2945945.83	0.7	97.6	3017618.25
Sc	45	He	295145.46	0.4	100.3	294179.71
Ge	72	No Gas	1153122.21	1.7	98.1	1175154.29333333
Ge	72	He	303211.27	1.0	101.1	300033.99
Ge	72	HEHe	129796.23	0.5	96.5	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	WDA1107-03
File Name	040SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 17:58:57
Sample Type	Sample
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	12.482	He	12.482	72	3.3	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1607313.95	1.9		0
Sc	45	No Gas	2673356.00	2.7	88.6	3017618.25
Sc	45	He	281575.81	2.1	95.7	294179.71
Ge	72	No Gas	910357.61	0.7	77.5	1175154.29333333
Ge	72	He	260623.16	1.4	86.9	300033.99
Ge	72	HEHe	110487.95	0.8	82.1	134546.03
Rh	103	No Gas	2588292.33	1.4		0
Rh	103	He	1849590.97	0.1		0
Ho	165	No Gas	821283.81	1.2		0
Ho	165	He	628165.20	1.1		0

Sample Report

Sample Name	WDA1107-11
File Name	041SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 18:02:18
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	2.415	He	2.415	72	1.7	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1574399.84	1.7		0
Sc	45	No Gas	2802425.42	1.7	92.9	3017618.25
Sc	45	He	302188.18	1.8	102.7	294179.71
Ge	72	No Gas	934716.66	2.2	79.5	1175154.29333333
Ge	72	He	273585.99	2.5	91.2	300033.99
Ge	72	HEHe	116056.69	1.0	86.3	134546.03
Rh	103	No Gas	2563780.92	0.5		0
Rh	103	He	1852185.48	1.5		0
Ho	165	No Gas	762790.92	0.5		0
Ho	165	He	611037.37	0.2		0

Sample Report

Sample Name	WDA1107-15
File Name	042SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 18:05:37
Sample Type	Sample
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	11.848	He	11.848	72	3.0	1000	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas	1788160.21	1.6		0
Sc	45	No Gas	3381090.17	1.4	112.0	3017618.25
Sc	45	He	371900.42	1.1	126.4	294179.71
Ge	72	No Gas	1134857.58	2.4	96.6	1175154.29333333
Ge	72	He	331416.59	1.8	110.5	300033.99
Ge	72	HEHe	137444.55	1.3	102.2	134546.03
Rh	103	No Gas	3018024.50	0.4		0
Rh	103	He	2243028.39	0.5		0
Ho	165	No Gas	849776.75	1.5		0
Ho	165	He	709851.73	0.7		0

Sample Report

Sample Name	BDB0127-BS1
File Name	044_LCS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 18:11:15
Sample Type	LCS
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	48.274	He	48.274	72	0.5	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	5052645.17	1.3	167.4	3017618.25
Sc	45	He	475734.89	1.6	161.7	294179.71
Ge	72	No Gas	1669504.12	0.9	142.1	1175154.29333333
Ge	72	He	450768.68	0.7	150.2	300033.99
Ge	72	HEHe	190702.04	1.4	141.7	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	045_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 18:13:32
Sample Type	RINSE
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	4400799.17	3.0	145.8	3017618.25
Sc	45	He	445175.43	0.7	151.3	294179.71
Ge	72	No Gas	1673166.33	1.1	142.4	1175154.29333333
Ge	72	He	444164.50	0.5	148.0	300033.99
Ge	72	HEHe	189949.80	0.2	141.2	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCV
File Name	046_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 18:15:53
Sample Type	CCV
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	48.426	He	48.426	72	0.7	50	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	4254971.33	3.2	141.0	3017618.25
Sc	45	He	440903.73	1.6	149.9	294179.71
Ge	72	No Gas	1590749.29	0.4	135.4	1175154.29333333
Ge	72	He	440773.58	0.7	146.9	300033.99
Ge	72	HEHe	187201.78	0.7	139.1	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	CCB
File Name	047_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 18:18:11
Sample Type	CCB
Total Dilution	1.0000
Comment	---
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag
75	As	0.033	He	0.033	72	6.1	0.06	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	4145821.92	1.5	137.4	3017618.25
Sc	45	He	429633.31	1.0	146.0	294179.71
Ge	72	No Gas	1582271.63	1.0	134.6	1175154.29333333
Ge	72	He	428360.36	0.6	142.8	300033.99
Ge	72	HEHe	188624.36	1.2	140.2	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

Sample Report

Sample Name	Rinse
File Name	048_RIN.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX C.b
Acq Time	2023-02-03 18:20:29
Sample Type	RINSE
Total Dilution	1.0000
Comment	—
ISTD Ref FileName	003CALB.d
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Fail
Operator	JLG

QC Analyte Table

Mass	Name	Conc.	Tune	Raw Conc.	ISTD	CPS RSD	LDR	QC Flag

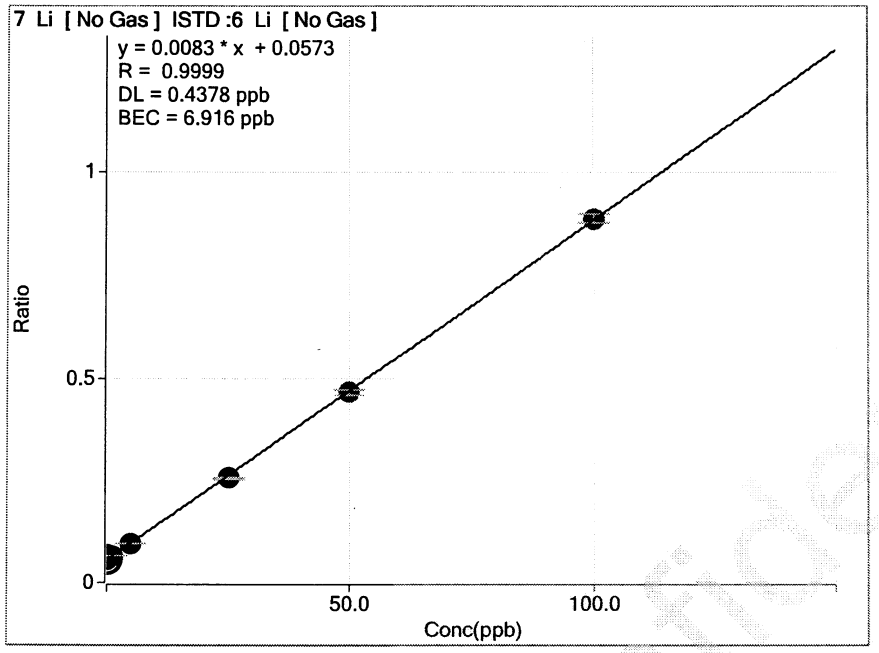
QC ISTD Table

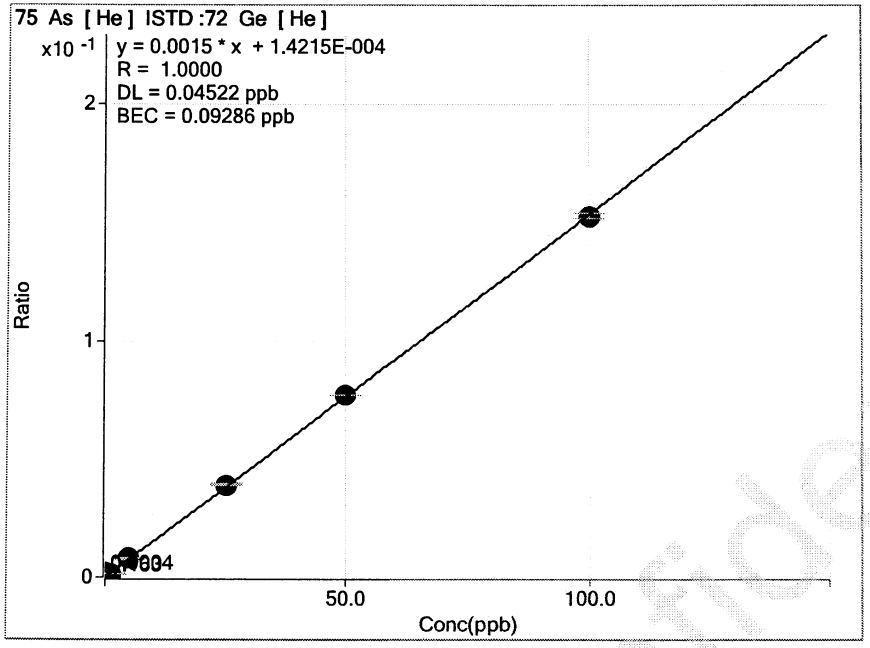
Name	Mass	Tune Mode	CPS	CPS RSD	ISTD Recovery %	ISTD Ref CPS
Li	6	No Gas				0
Sc	45	No Gas	4175945.58	1.9	138.4	3017618.25
Sc	45	He	432000.85	0.9	146.8	294179.71
Ge	72	No Gas	1582919.04	3.0	134.7	1175154.29333333
Ge	72	He	432953.47	1.7	144.3	300033.99
Ge	72	HEHe	185508.73	0.5	137.9	134546.03
Rh	103	No Gas				0
Rh	103	He				0
Ho	165	No Gas				0
Ho	165	He				0

	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
1		☐	001CALB.	2023-02-03 12:12:16	CalBlk	1	Blank		1.0000	1101
2		☐	002CALB.	2023-02-03 12:16:01	CalBlk	1	Blank		1.0000	1101
3		☐	003CALB.	2023-02-03 12:19:47	CalBlk	1	Blank		1.0000	1101
4		☐	004CALS.	2023-02-03 12:23:30	CalStd	2	1 ppb cal		1.0000	1103
5		☐	005CALS.	2023-02-03 12:27:16	CalStd	3	5 ppb cal		1.0000	1104
6		☐	006CALS.	2023-02-03 12:30:59	CalStd	4	25 ppb cal		1.0000	1105
7		☐	007CALS.	2023-02-03 12:34:44	CalStd	5	50 ppb cal		1.0000	1106
8		☐	008CALS.	2023-02-03 12:38:25	CalStd	6	100 ppb cal		1.0000	1107
9		☐	009_RIN.d	2023-02-03 12:47:15	RINSE		Rinse		1.0000	4
10		☐	010_ICV.d	2023-02-03 12:50:37	ICV		ICV- 40ppb		1.0000	2101
11		☐	011_LDR.d	2023-02-03 12:56:09	LDR		Daily LDR- 500pp		1.0000	2102
12		☐	012_RIN.d	2023-02-03 12:59:03	RINSE		Rinse		1.0000	4
13		☐	013_RIN.d	2023-02-03 13:02:23	RINSE		Rinse		1.0000	4
14		☐	014_RIN.d	2023-02-03 13:05:47	RINSE		Rinse		1.0000	4
15		☐	015_RIN.d	2023-02-03 13:09:10	RINSE		Rinse		1.0000	5
16		☐	016_Blk.d	2023-02-03 13:12:34	Blank		BDB0127-BLK1		1.0000	3101
17		☑	017LICV.d	2023-02-03 13:15:57	LLICV		BDB0124-MRL1		1.0000	3102
18		☑	018_LCS.d	2023-02-03 13:19:21	LCS		BDB0127-BS1		1.0000	3103
19		☐	019_Blk.d	2023-02-03 13:23:44	Blank		BDB0127-BLK1		1.0000	3101
20		☐	020LICV.d	2023-02-03 13:27:08	LLICV		BDB0124-MRL1		1.0000	3102
21		☐	021_LCS.d	2023-02-03 13:30:30	LCS		BDB0127-BS1		1.0000	3103
22		☐	022SMPL.	2023-02-03 13:33:53	Sample		WDB0101-01		1.0000	3104
23		☐	023SMPL.	2023-02-03 13:37:12	Sample		WDB0106-01		1.0000	3105
24		☐	024SMPL.	2023-02-03 13:40:36	Sample		WDB0107-01		1.0000	3106
25		☐	025_ARF.d	2023-02-03 13:43:57	AllRef		WDB0110-01		1.0000	3107

	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
26			026_LFM.d	2023-02-03 13:47:19	LFM		BDB0127-MS1		1.0000	3108
27			027LFMD.	2023-02-03 13:50:38	LFMDup		BDB0127-MSD1		1.0000	3109
28			028_Blk.d	2023-02-03 13:53:59	Blank		BDB0127-BLK1		1.0000	3110
29			029_LCS.d	2023-02-03 13:57:20	LCS		BDB0127-BS1		1.0000	3111
30			030_RIN.d	2023-02-03 14:00:42	RINSE		Rinse		1.0000	4
31			031_CCV.	2023-02-03 14:04:03	CCV		CCV		1.0000	1106
32			032_CCB.	2023-02-03 14:07:24	CCB		CCB		1.0000	1101
33			033_RIN.d	2023-02-03 14:10:46	RINSE		Rinse		1.0000	5
34			034_Blk.d	2023-02-03 14:14:11	Blank		BDB0012-BLK1		1.0000	3201
35			035_Blk.d	2023-02-03 14:17:33	Blank		BDB0012-BLK2		1.0000	3202
36			036LICV.d	2023-02-03 14:20:57	LLICV		BDB0012-MRL1		1.0000	3203
37			037_LCS.d	2023-02-03 14:24:19	LCS		BDB0127-BS1		1.0000	3204
38			038_LCS.d	2023-02-03 14:27:41	LCS		BDB0127-BS2		1.0000	3205
39			039SMPL.	2023-02-03 14:31:01	Sample		WDA1107-01		1.0000	3206
40			040SMPL.	2023-02-03 14:33:22	Sample		WDA1107-02		1.0000	3207
41			041SMPL.	2023-02-03 14:35:40	Sample		WDA1107-03		1.0000	3208
42			042SMPL.	2023-02-03 14:37:58	Sample		WDA1107-04		1.0000	3209
43			043SMPL.	2023-02-03 14:40:19	Sample		WDA1107-05		1.0000	3210
44			044SMPL.	2023-02-03 14:42:37	Sample		WDA1107-06		1.0000	3211
45			045SMPL.	2023-02-03 14:44:55	Sample		WDA1107-07		1.0000	3212
46			046SMPL.	2023-02-03 14:47:16	Sample		WDA1107-08		1.0000	3301
47			047SMPL.	2023-02-03 14:49:35	Sample		WDA1107-09		1.0000	3302
48			048SMPL.	2023-02-03 14:51:53	Sample		WDA1107-10		1.0000	3303
49			049_RIN.d	2023-02-03 14:54:14	RINSE		Rinse		1.0000	4
50			050_CCV.	2023-02-03 14:57:34	CCV		CCV		1.0000	1106

	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
51	✓		051_CCB.	2023-02-03 15:00:55	CCB		CCB		1.0000	1101
52			052_RIN.d	2023-02-03 15:04:16	RINSE		Rinse		1.0000	5
53			053SMPL.	2023-02-03 15:07:39	Sample		WDA1107-11		1.0000	3304
54	✓		054SMPL.	2023-02-03 15:09:57	Sample		WDA1107-12		1.0000	3305
55	✓		055SMPL.	2023-02-03 15:12:16	Sample		WDA1107-13		1.0000	3306
56	✓		056_ARF.d	2023-02-03 15:14:38	AllRef		WDA1107-14		1.0000	3307
57	✓		057_LFM.d	2023-02-03 15:16:56	LFM		BDB0012-MS1		1.0000	3308
58	✓		058LFMD.	2023-02-03 15:19:14	LFMDup		BDB0012-MSD1		1.0000	3309
59			059SMPL.	2023-02-03 15:21:35	Sample		WDA1107-15		1.0000	3310
60	✓		060SMPL.	2023-02-03 15:23:53	Sample		WDA1107-16		1.0000	3311
61	✓		061_LFM.d	2023-02-03 15:26:11	LFM		BDB0012-MS2		1.0000	3312
62	✓		062LFMD.	2023-02-03 15:28:32	LFMDup		BDB0012-MSD2		1.0000	3401
63	✓		063SMPL.	2023-02-03 15:30:51	Sample		WDA1107-17		1.0000	3402
64	✓		064SMPL.	2023-02-03 15:33:10	Sample		WDA1107-18		1.0000	3403
65	✓		065_Blk.d	2023-02-03 15:35:30	Blank		BDB0127-BLK2		1.0000	3404
66	✓		066_LCS.d	2023-02-03 15:38:52	LCS		BDB0127-BS1		1.0000	3405
67	✓		067_RIN.d	2023-02-03 15:42:15	RINSE		Rinse		1.0000	4
68	✓		068_RIN.d	2023-02-03 15:45:35	RINSE		Rinse		1.0000	5
69	✓		069_RIN.d	2023-02-03 15:48:57	RINSE		Rinse		1.0000	4
70	✓		070_RIN.d	2023-02-03 15:52:18	RINSE		Rinse		1.0000	5
71	✓		071_RIN.d	2023-02-03 15:55:41	RINSE		Rinse		1.0000	4
72	✓		072_CCV.	2023-02-03 15:59:01	CCV		CCV		1.0000	1106
73	✓		073_CCB.	2023-02-03 16:03:10	CCB		CCB		1.0000	1101
74	✓		074_RIN.d	2023-02-03 16:06:30	RINSE		Rinse		1.0000	5





	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
1			001CALB.	2023-02-03 16:20:21	CalBlk	1	Blank		1.0000	1101
2			002CALB.	2023-02-03 16:22:41	CalBlk	1	Blank		1.0000	1101
3			003CALB.	2023-02-03 16:24:59	CalBlk	1	Blank		1.0000	1101
4			004CALS.	2023-02-03 16:27:17	CalStd	2	1 ppb cal		1.0000	1103
5			005CALS.	2023-02-03 16:29:37	CalStd	3	5 ppb cal		1.0000	1104
6			006CALS.	2023-02-03 16:31:54	CalStd	4	25 ppb cal		1.0000	1105
7			007CALS.	2023-02-03 16:34:12	CalStd	5	50 ppb cal		1.0000	1106
8			008CALS.	2023-02-03 16:36:33	CalStd	6	100 ppb cal		1.0000	1107
9			009_ICV.d	2023-02-03 16:38:51	ICV		ICV- 40ppb		1.0000	2101
10			010_RIN.d	2023-02-03 16:41:11	RINSE		Rinse		1.0000	4
11			011_Blk.d	2023-02-03 16:43:34	Blank		BDB0012-BLK1		1.0000	4101
12			012_LCS.d	2023-02-03 16:45:53	LCS		BDB0127-BS1		1.0000	4102
13			013SMPL.	2023-02-03 16:48:11	Sample		WDA1107-08		1.0000	4103
14			014SMPL.	2023-02-03 16:50:32	Sample		WDA1107-12		1.0000	4104
15			015SMPL.	2023-02-03 16:52:50	Sample		WDA1107-13		1.0000	4105
16			016_ARF.d	2023-02-03 16:55:09	AllRef		WDA1107-14		1.0000	4106
17			017_LFM.d	2023-02-03 16:57:29	LFM		BDB0012-MS1		1.0000	4107
18			018LFMD.	2023-02-03 16:59:48	LFMDup		BDB0012-MSD		1.0000	4108
19			019SMPL.	2023-02-03 17:02:06	Sample		WDA1107-17		1.0000	4109
20			020SMPL.	2023-02-03 17:04:27	Sample		WDA1107-18		1.0000	4110
21			021SMPL.	2023-02-03 17:06:45	Sample		WDA1107-01		1.0000	3101
22			022SMPL.	2023-02-03 17:10:07	Sample		WDA1107-02		1.0000	3102
23			023SMPL.	2023-02-03 17:13:27	Sample		WDA1107-04		1.0000	3104
24			024SMPL.	2023-02-03 17:16:50	Sample		WDA1107-07		1.0000	3201
25			025_RIN.d	2023-02-03 17:20:06	RINSE		Rinse		1.0000	4

	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
26			026_CCV.	2023-02-03 17:22:27	CCV		CCV		1.0000	1106
27			027_CCB.	2023-02-03 17:24:45	CCB		CCB		1.0000	1101
28			028_RIN.d	2023-02-03 17:27:02	RINSE		Rinse		1.0000	5
29			029SMPL.	2023-02-03 17:29:23	Sample		WDA1107-05		1.0000	3105
30			030SMPL.	2023-02-03 17:32:42	Sample		WDA1107-06		1.0000	3106
31			031SMPL.	2023-02-03 17:36:04	Sample		WDA1107-09		1.0000	3107
32			032SMPL.	2023-02-03 17:39:20	Sample		WDA1107-10		1.0000	3108
33			033_ARF.d	2023-02-03 17:42:38	AllRef		WDA1107-16		1.0000	3110
34	✓		034_LFM.d	2023-02-03 17:45:27	LFM		BDB0012-MS2		1.0000	4107
35	✓		035LFMD.	2023-02-03 17:47:23	LFMDup		BDB0012-MSD		1.0000	4108
36			036_RIN.d	2023-02-03 17:49:43	RINSE		Rinse		1.0000	4
37			037_CCV.	2023-02-03 17:52:01	CCV		CCV		1.0000	1106
38			038_CCB.	2023-02-03 17:54:21	CCB		CCB		1.0000	1101
39			039_RIN.d	2023-02-03 17:56:39	RINSE		Rinse		1.0000	5
40			040SMPL.	2023-02-03 17:58:57	Sample		WDA1107-03		1.0000	3103
41			041SMPL.	2023-02-03 18:02:18	Sample		WDA1107-11		1.0000	3202
42	✓		042SMPL.	2023-02-03 18:05:37	Sample		WDA1107-15		1.0000	3109
43	✓		043_Blk.d	2023-02-03 18:08:57	Blank		BDB0127-BLK2		1.0000	4111
44	✓		044_LCS.d	2023-02-03 18:11:15	LCS		BDB0127-BS1		1.0000	4112
45	✓		045_RIN.d	2023-02-03 18:13:32	RINSE		Rinse		1.0000	4
46	✓		046_CCV.	2023-02-03 18:15:53	CCV		CCV		1.0000	1106
47	✓		047_CCB.	2023-02-03 18:18:11	CCB		CCB		1.0000	1101
48	✓		048_RIN.d	2023-02-03 18:20:29	RINSE		Rinse		1.0000	5
49	✓		049_RIN.d	2023-02-03 18:22:49	RINSE		Rinse		1.0000	4
50	✓		050_CCV.	2023-02-03 18:25:07	CCV		CCV		1.0000	1106

	Sample									
		Rjct	Data File	Acq. Date-Time	Type	Level	Sample Name	Comment	Total Dil.	Vial Number
51			051_CCB.	2023-02-03 18:27:25	CCB		CCB		1.0000	1101
52			052_RIN.d	2023-02-03 18:29:45	RINSE		Rinse		1.0000	5
53			053_RIN.d	2023-02-03 18:32:03	RINSE		Rinse		1.0000	5
54			054_RIN.d	2023-02-03 18:34:21	RINSE		Rinse		1.0000	5

US EPA Tune Check Report

Operator Name	Metals
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\Method Batches\RXN\Sequences\02032023 HIGH MATRIX B.b
Acq. Date-Time	2023-02-03 11:50:03
Report Comment	---
Instrument Name	7800 JP17450949

[No Gas]

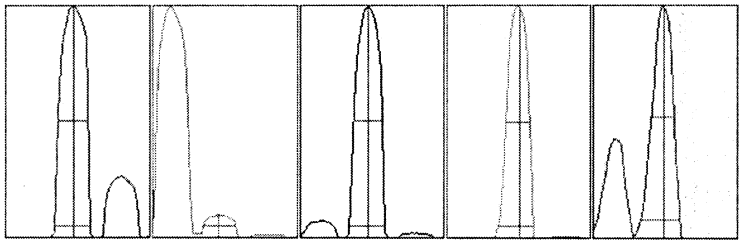
Sensitivity

Mass	Count	CPS	RSD%	RSD% (Required)	RSD% (Flag)
9	1874	18744.39	1.313	5.000	
24	6527	65268.71	0.714	5.000	
59	6523	65234.59	0.506	5.000	
115	7612	76118.08	0.589	5.000	
208	4192	41924.17	0.759	5.000	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	1854	1901	1863	1853	1901
24	6610	6505	6514	6505	6501
59	6493	6523	6490	6546	6566
115	7664	7607	7634	7613	7542
208	4203	4236	4166	4200	4157

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)	W-5%	W-5% (Required)	W-5% (Flag)
9	3064.91	8.95	8.90 - 9.10		0.742	0.900	
24	10313.73	23.90	23.90 - 24.10			0.900	
59	11299.10	58.95	58.90 - 59.10		0.741	0.900	
115	15007.17	115.05	114.90 - 115.10		0.741	0.900	
208	8560.08	208.00	207.90 - 208.10		0.807	0.900	

Integration Time [sec] = 0.1 Acquisition Time [sec] = 168.5 Y Axis = Linear

Tune Parameters

Plasma Parameters

Plasma Mode	HMI	Nebulizer Gas	0.36 L/min	Dilution Gas	0.61 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.20 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

US EPA Tune Check Report

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.3 V	Deflect	11.2 V
Extract 2	-195.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	200 V		

QP Parameters

Mass Gain	152	Axis Gain	1.0021	QP Bias	-3.0 V
Mass Offset	124	Axis Offset	0.02		

Hardware Settings

Torch

Torch H	1.0 mm	Torch V	-0.5 mm		

EM

Discriminator	3.8 mV	Analog HV	2175 V	Pulse HV	1423 V

TSS (SM2540D/EPA 160.2)-TS(SM 2540B)

Anatek Labs. Inc. Spokane

Batch ID: BDA0867 Date: 1/28/2023 Time: 1051 Initals: ARS

QC REQUIREMENTS:	Blank <1ppm, LFB %Rec= 90-110%, MS/MSD %Rec= 80-120% Run a blank and lcs before and after every 20 samples, plus dup and ms/msd after 20 samples.						
TSS Reagents	**Std. #**	**Amount Spiked**	**Balance ID**	**Oven**	**Temp**	**Filters**	**Thermometer**
100ppm Cellulose TSS Soln.	2300148	100 ppm	BAL-02	3	105	2201445	T-Oven 3

Comments:

Sample Number	Sample ID	Dish ID	Filter Wt (g)	mLs used	Dry Weight #1	Dry Weight #2**	Dilution Factor	IResult (mg/L)	FResult (mg/L)	QC Date & Initials
BDA0867-BLK1	Blank	827	0.1064	1000	0.1064	0.1064	0.1			
BDA0867-BLK2	Blank	828	0.1062	1000	0.1063	0.1063	0.1	1.00	0.10	
BDA0867-BLK3	Blank	829	0.1061	100	0.1061	0.1061	1			
BDA0867-BS1	LCS	830	0.1063	100	0.1169	0.1169	1	106.00	106.00	
BDA0867-BS2	LCS	831	0.1059	100	0.1163	0.1163	1	104.00	104.00	
WDA1070-02	Eff	906	0.1055	1000	0.1068	0.1067	0.1	12.00	1.20	
WDA1075-02	24 hr Eff	904	0.106	1000	0.1079	0.1079	0.1	19.00	1.90	
WDA1095-01	#1 Lagoon (580-122730-1)	832	0.1064	100	0.1089	0.1089	1	25.00	25.00	
WDA1095-02	Outfall (580-122730-2)	833	0.1054	100	0.1075	0.1075	1	21.00	21.00	
WDA1098-01	Muni Influent (580-122741	834	0.1066	50	0.1165	0.1165	2	99.00	198.00	
BDA0867-DUP2	Duplicate WDA1098-02	835	0.1052	100	0.1071	0.1071	1	19.00	19.00	
WDA1098-02	Muni Effluent (580-122741	836	0.1053	100	0.1074	0.1073	1	20.00	20.00	
BDA0867-DUP1	Duplicate WDA1107-08	837	0.1059	500	0.1121	0.1121	0.2	62.00	12.40	
WDA1107-08	D-7	838	0.1065	500	0.1095	0.1096	0.2	30.00	6.00	
WDA1108-01	Influent	839	0.1058	100	0.1121	0.1121	1	63.00	63.00	
WDA1108-02	Effluent	840	0.1061	500	0.1089	0.1089	0.2	28.00	5.60	
WDA1107-01	DW-2	866	0.1062	1000	0.1168	0.1168	0.1	106.00	10.60	
WDA1107-02	DW-3	867	0.1058	500	0.1111	0.111	0.2	52.00	10.40	
WDA1107-03	D-2	868	0.1095	1000	0.1128	0.1127	0.1	32.00	3.20	
WDA1107-04	D-3	869	0.105	1000	0.1134	0.1134	0.1	84.00	8.40	
WDA1107-05	D-4	870	0.1058	1000	0.113	0.113	0.1	72.00	7.20	
WDA1107-06	D-5	871	0.1057	1000	0.1071	0.1071	0.1	14.00	1.40	
WDA1107-07	D-6	872	0.1053	1000	0.124	0.1239	0.1	186.00	18.60	
WDA1107-09	D-8	873	0.1058	500	0.1173	0.1173	0.2	115.00	23.00	
WDA1107-10	DW-1/WW-1	874	0.1063	100	0.1085	0.1085	1	22.00	22.00	
WDA1107-11	WW-2	875	0.1058	1000	0.1165	0.1163	0.1	105.00	10.50	

TSS (SM2540D/EPA 160.2)-TS(SM 2540B)

Sample Number	Sample ID	Dish ID	Filter Wt (g)	mLs used	Dry Weight #1	Dry Weight #2**	Dilution Factor	IResult (mg/L)	FResult (mg/L)	QC Date & Initials
WDA1107-12	U-1/WW-7	876	0.1057	500	0.1379	0.1379	0.2	322.00	64.40	
WDA1107-13	U-2/WW-5	877	0.1068	500	0.1133	0.1133	0.2	65.00	13.00	
WDA1107-14	WW-3	878	0.105	500	0.1147	0.1147	0.2	97.00	19.40	
WDA1107-15	E-2	879	0.1054	1000	0.1084	0.1084	0.1	30.00	3.00	
WDA1107-16	E-1	880	0.1061	1000	0.1313	0.1312	0.1	251.00	25.10	
WDA1107-17	E-1 DUP	881	0.1059	500	0.1215	0.1214	0.2	155.00	31.00	
WDA1107-18	WW-6	882	0.1058	250	0.131	0.131	0.4	252.00	100.80	

AECOS, Inc.

45-939 Kamehameha Hwy, Suite 104 · Kaneohe, HI 96744
Telephone: (808) 234-7770 · Fax: (808) 234-7775 · aecos@aecos.com

CLIENT: Cardno-GS
737 Bishop Street, Suite 3050
Honolulu HI 96813
ATTENTION: Benjamin Berridge
Benjamin.Berridge@cardno-gs.com

FILE No.:	1494
REPORT DATE:	01/25/2023
PAGE:	1 of 1

AECOS REPORT OF RESULTS

SAMPLE TYPE: stormwater
DATE SAMPLED: 01/23/23
TEMP. CONTROL: 12.6 °C
DATE/TIME ANALYZED: 01/23/23 @1705

***AECOS* LOG No.:** 47038
DATE/TIME RECEIVED: 01/23/23 @1548
SAMPLER: H. Hubanks
MATRIX: water
ANALYST: C. Mayer, J. Withrow

	ANALYTE (UNITS)	Enterococcus (MPN/100ml)	*Dilution Factor (10 ml / 100 ml)*	*Number of large positive wells*	*Number of small positive wells*
	METHOD →	ASTM D650399	---	---	---
SAMPLE ID ⇩	TIME SAMPLED ⇩				
D-8	0910	13,000	*10*	*49*	*42*
U-1 / WW-7	0930	3100	*10*	*49*	*18*
U-2 / WW-5	1020	3900	*10*	*49*	*22*
D_6	0955	17,000	*10*	*49*	*45*
D-4	0900	3800	*10*	*48*	*27*
D-5	0910	200	*10*	*14*	*3*
WW-2	0920	97	*10*	*8*	*1*
WW-3	0935	2700	*10*	*47*	*24*
E-2	0945	460	*10*	*24*	*10*
D-7	1010	5800	*10*	*49*	*29*
D-2	0930	600	*10*	*31*	*8*
DW-2	0900	610	*10*	*32*	*7*
D-3	0915	470	*10*	*28*	*5*
DW-3	0920	660	*10*	*35*	*5*
WW-6	0900	1200	*10*	*44*	*7*
E-1	1045	680	*10*	*33*	*9*
DW-1 / WW-1	1000	800	*10*	*36*	*10*

A. Mella
for *AECOS*, Inc.

AECOS, Inc.

45-939 Kamehameha Highway Suite 104
Kaneohe, Oahu, HI 96744
Tel: (808) 234-7770 Fax: 234-7775

CHAIN OF CUSTODY FORM

PROJECT
FILE No.
LOG NUMBER [47038]

CLIENT: Cardno
ADDRESS: 737 Bishop Street Suite 2056
Honolulu, HI 96813

CONTACT: Ben Berridge
PHONE No.: ☎ 808 476-0067
Purchase Order No.:

☐ RUSH
☐ SEE REVERSE
SPECIAL INSTRUCTIONS

	☑	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	SAMPLE TYPE	CONTAINER(S)		REQUESTED ANALYSES	PRESERVATION
1	✓	D-2	1/23/2023	9:30	water	1	idexx	enterococci	chill
2	✓	DW-2		9:00					
3	✓	D-3		9:15					
4	✓	DW-3		9:20					
5		~~DW-4~~ (ED)		~~10:00~~					
6	✓	NW-6		9:00					
7	✓	E-1		10:45					
~~8~~		~~E-1 Dup ★~~		~~10:50~~				cancelled per client	
9	✓	DW-1/NW-1		10:00					
10									

CLIENTS PROVIDING SAMPLES TO THE LABORATORY SHOULD COMPLETE AS MUCH OF THE ABOVE FORM AS POSSIBLE. NOTE: NAME AND DATED SIGNATURE OF PERSON COLLECTING THE SAMPLE MUST BE ENTERED BELOW ↓. INFORMATION REQUESTED IN SHADED BOXES ABOVE TO BE FILLED IN BY THE LABORATORY.

SAMPLED BY: DATE 20 23
PRINT NAME Hannah Hubanks 1-23
RELINQUISHED: DATE 20 23
SIGNATURE TIME 3:44

RECEIVED BY: DATE 20
SIGNATURE TIME
RELINQUISHED: DATE 20
SIGNATURE OR INITIALS TIME

RECEIVED FOR LABORATORY: DATE 1/23 20 23
SIGNATURE TIME 1548
RELINQUISHED: DATE 20
SIGNATURE OR INITIALS TIME

COMMENTS:

PRECAUTIONS:

DISPOSAL:

RETURN SAMPLE TO CLIENT ☐

USE (BLACK) INK

T=12.6°C

AECOS, Inc.

45-939 Kamehameha Highway Suite 104
Kaneohe, Oahu, HI 96744
Tel: (808) 234-7770 Fax: 234-7775

CHAIN OF CUSTODY FORM

PROJECT FILE No.:

LOG NUMBER [047038]

CLIENT: Cardno

ADDRESS: 737 Bishop Street Suite 3050 Honolulu HI. 96813

CONTACT: Ben Berridge

PHONE No.: ☎ 808-470-0067

Purchase Order No.:

☐ RUSH

☐ SEE REVERSE

SPECIAL INSTRUCTIONS

	☑	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	SAMPLE TYPE	CONTAINER(S)		REQUESTED ANALYSES	PRESERVATION
1	✓	D-8	1/23/2023	9:10	water	1	idexx	enterococci	chill
2	✓	V-1/WW-7		9:30					
3	✓	V-2/WW-5		10:20					
4	✓	D-6		9:55					
5	✓	D-4		9:00					
6	✓	D-5		9:10					
7	✓	WW-2		9:20					
8	✓	WW-3		9:35					
9	✓	E-2		9:45					
10	✓	D-7		10:10					

CLIENTS PROVIDING SAMPLES TO THE LABORATORY SHOULD COMPLETE AS MUCH OF THE ABOVE FORM AS POSSIBLE, NOTE: NAME AND DATED SIGNATURE OF PERSON COLLECTING THE SAMPLE MUST BE ENTERED BELOW ↓. INFORMATION REQUESTED IN SHADED BOXES ABOVE TO BE FILLED IN BY THE LABORATORY.

SAMPLED BY: DATE 20 23 1-23

PRINT NAME Hannah Hubanks

RELINQUISHED: DATE 20 23

SIGNATURE TIME 3:44

RECEIVED BY: DATE 20___

SIGNATURE TIME

RELINQUISHED: DATE 20___

SIGNATURE OR INITIALS TIME

RECEIVED FOR LABORATORY: DATE 1/23 20 23

SIGNATURE TIME 1548

RELINQUISHED: DATE 20___

SIGNATURE OR INITIALS TIME

COMMENTS:

PRECAUTIONS:

DISPOSAL:

RETURN SAMPLE TO CLIENT ☐

USE (BLACK) INK

T=12.6°C